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Jennifer C. Sedlachek
Project Manager

RECEIVED
By Alameda County Environmental Health at 11:33 am, Sep 30, 2014

ExxonMobil

September 25, 2014

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

RE: Former Exxon RAS #70235/2225 Telegraph Avenue, Oakland California.

Dear Mr. Nowell:

Attached for your review and comment is a copy of the letter report entitled ***Semi-Annual Groundwater Monitoring and Remediation Status Report, Third Quarter 2014,*** dated September 25, 2014, for the above-referenced site. The report was prepared by Cardno ERI of Petaluma, California, and details activities at the subject site.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

If you have any questions or comments, please contact me at 510.547.8196.

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno ERI's ***Semi-Annual Groundwater Monitoring and Remediation Status Report, Third Quarter 2014,*** dated September 25, 2014

cc: w/ attachment
Mr. Shay Wideman, The Valero Companies, Environmental Liability Management

w/o attachment
Mr. Greg Gurss, Cardno ERI

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September 25, 2014
Cardno ERI 2229C.Q143

Ms. Jennifer C. Sedlachek
ExxonMobil Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611

SUBJECT **Semi-Annual Groundwater Monitoring and Remediation Status Report, Third Quarter 2014**
Former Exxon Service Station 70235
2225 Telegraph Avenue, Oakland, California

Alameda County RO #358

INTRODUCTION

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno ERI is submitting this report detailing third quarter 2014 groundwater monitoring and sampling activities and an AS/DPE high-intensity targeted event at the subject site. Relevant plates, tables, and appendices are included at the end of this report. Currently, the site is an active Valero service station.

GROUNDWATER MONITORING AND SAMPLING SUMMARY

Gauging and sampling date:		08/28/14
Wells gauged and sampled:		MW6B, MW6E through MW6J, MW6Kb, MW6Lb, RW1, RW2, RW3A
Wells gauged only:		MW6Ka, MW6La
Presence of NAPL:		Not observed
Laboratory:		Eurofins Calscience, Inc., Garden Grove, California
Analyses performed:	EPA Method 8015B	TPHd, TPHg, TPHmo
	EPA Method 8021B	BTEX
	EPA Method 8260B	MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE
	EPA Method 8260B	Ethanol (select wells)
Waste disposal:		142 gallons of purge and decon water delivered to InStrat, Inc., of Rio Vista, California, on 08/29/14

REMEDIAL ACTIVITIES SUMMARY

Prior to 1990, a GWPTS operated at the site under the ownership of Texaco. The GWPTS was shut down in 1990 and replaced with an SVE system, which operated from approximately 1991 until 1996. The SVE system was shut down when ownership of the site transferred from Texaco to Exxon Company, U.S.A. in 1996. The GWPTS and SVE system are no longer at the site.

In January 2014, Cardno ERI conducted feasibility testing to evaluate the feasibility of AS/DPE as a remedial technology to reduce petroleum hydrocarbons in soil and groundwater in the vicinity of the USTs and dispenser islands. Approximately 25.7 pounds of TPHg were removed during a 24-hour period (Cardno ERI, 2014a).

Site data indicated that remaining residual and dissolved-phase petroleum hydrocarbons were located in the northeast corner of the site in the vicinity of the USTs and dispenser islands. The results of the feasibility testing performed in January 2014 and the first quarter 2014 groundwater monitoring and sampling results indicated that AS/DPE might be an effective remedial technology to remove petroleum hydrocarbons from the northeastern portion of the site; therefore, Cardno ERI proposed extracting from wells MW6B, MW6H, MW6Ka, and MW6Kb and sparging into wells MW6Kb and MW6Lb for a five-day period (Monday to Friday) to assess concentrations and mass removal over time (Cardno ERI, 2014b).

High-Intensity Targeted Event

During third quarter 2014, Cardno ERI conducted a five-day (42-hour) combined AS/DPE high-intensity targeted (HIT) event to evaluate hydrocarbon removal and air flow rates while operating the AS wells. Due to influent concentrations greater than 1,550 parts per million (ppm), Cardno ERI was not able to operate the AS wells and was only able to extract from well MW6H. Vapor samples were collected approximately every 12 hours for the duration of the event. Groundwater samples were collected before and after the event. The system consisted of a 10-horsepower liquid-ring vacuum pump manufactured by Siemens with a maximum flow capacity of 125 acfm and 30.0 inches of mercury vacuum. A moisture separator removed water from the water/vapor stream and directed the vapor to a Falmouth Products model Falco-100 electric catalytic oxidizer. The work was conducted under the Bay Area Air Quality Management District Permit to Operate, Plan No. 21885.

Event dates:		July 28 through August 1, 2014	
Well used for extraction:		MW6H	
Laboratory:		Eurofins Calscience, Inc., Garden Grove, California	
Vapor analyses:	EPA Method TO-3M	TPHd, TPHg, TPHmo	
	EPA Method TO-15M	BTEX, MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE	
Groundwater analyses:	EPA Method 8015B	TPHd, TPHg, TPHmo	
	EPA Method 8260B	BTEX, MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE, Ethanol	
Mass removed:	TPHg	36.268 pounds (vapor)	0.168 pound (groundwater)
	Benzene	0.107 pound (vapor)	0.017 pound (groundwater)
	MTBE	<0.005 pound (vapor)	0.001 pound (groundwater)
Waste disposal:	1,650 gallons of water (1,592 gallons of water processed during feasibility testing and 58 gallons of excess LRP seal water) were transported to InStrat, Inc., of Rio Vista, California, on 08/01/14		

RESULTS AND CONCLUSIONS

Maximum vapor-phase TPHg (29,000 mg/m^3) and benzene (37 mg/m^3) concentrations were reported at the beginning of the HIT event. Vapor-phase concentrations initially decreased but stabilized on the second day of testing and remained consistent throughout the rest of the event. Dissolved-phase concentrations in well MW6H increased up to two orders of magnitude during the HIT event.

Approximately 1,592 gallons of water were extracted during the HIT event, resulting in an average groundwater flow rate of approximately 0.63 gpm. The calculated flow rate, the observed groundwater drawdown, and the mass removed indicates that groundwater extraction alone is not an effective remedial technology and Cardno ERI did not further analyze the hydraulic data collected during the tests.

During the groundwater monitoring and sampling event:

- The groundwater flow was towards the south-southeast and was consistent with historical site data.
- Wells MW6Ka and MW6La were dry.
- TPHmo was not reported above the reporting limit in well MW6H. TPHmo had been reported in well MW6H in first quarter 2014 for the first time since 2008. Other than TPHmo, petroleum hydrocarbons reported in well MW6H were consistent with previous results.
- TPHd concentrations increased in well RW3A by one order of magnitude from first quarter 2014 concentrations. TPHd concentrations were below reporting limits in wells MW6F, MW6G, and MW6J. TPHd had been reported in those wells in first quarter 2014 for the first time since at least 2008.
- Benzene concentrations increased in wells MW6B and MW6Kb from first quarter 2014 concentrations, but remained below historical norms for the wells.
- The remaining petroleum hydrocarbon concentrations in wells MW6Kb and MW6Lb remained consistent with the decreased concentrations reported during first quarter 2014.
- TPHg concentrations increased in wells RW1, RW2, and RW3A.
- TPHmo concentrations increased in well RW2 and BTEX concentrations increased in well RW3A.

RECOMMENDATIONS

Based on the results of the feasibility tests and the groundwater monitoring and sampling event, Cardno ERI recommends continued semi-annual groundwater monitoring and sampling and evaluating the first quarter 2015 results prior to recommending additional work.

LIMITATIONS

For documents cited that were not generated by Cardno ERI, the data taken from those documents is used "as is" and is assumed to be accurate. Cardno ERI does not guarantee the accuracy of this data and makes no warranties for the referenced work performed nor the inferences or conclusions stated in these documents.

This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental services in California at the time of investigation. No soil engineering or geotechnical references are implied or should be inferred. The evaluation of the geologic conditions at the site for this investigation is made from a limited number of data points. Subsurface conditions may vary away from these data points.

Please contact Mr. Greg Gurss, Cardno ERI's project manager for this site, at (916) 692-3130 or at greg.gurss@cardno.com with any questions regarding this report.

Sincerely,

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Enclosures:

References
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cc: Mr. Keith Nowell, Alameda County Health Care Services Agency, Department of Environmental Health, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577

Mr. Shay Wideman, The Valero Companies, Environmental Liability Management, P.O. Box 696000, San Antonio, Texas, 78269

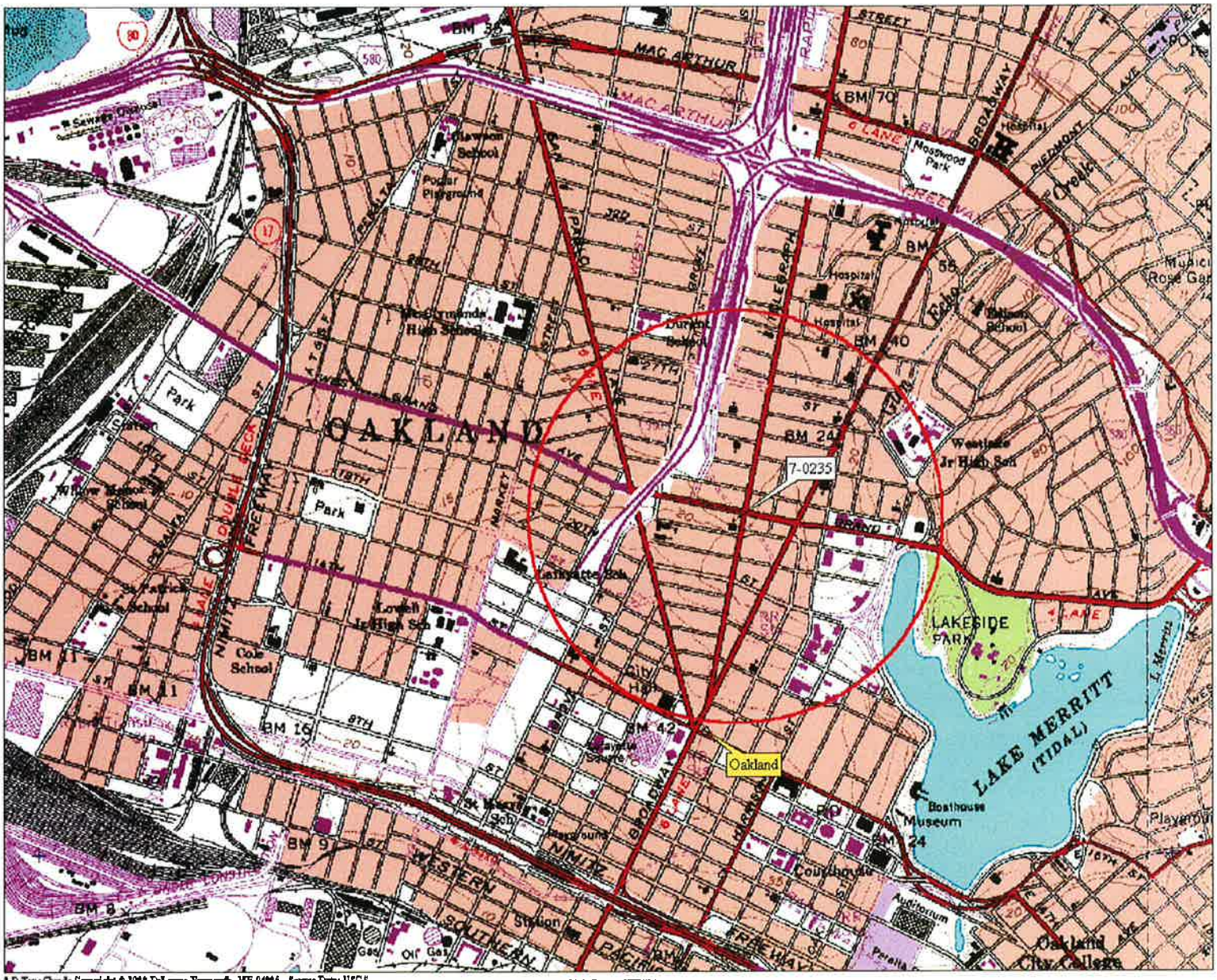
REFERENCES

Cardno ERI. February 26, 2014a. *AS/DPE Feasibility Test Report, Former Exxon Service Station 70235, 2225 Telegraph Avenue, Oakland, California.*

Cardno ERI. March 12, 2014b. *Semi-Annual Groundwater Monitoring Report, First Quarter 2014, Former Exxon Service Station 70235, 2225 Telegraph Avenue, Oakland, California.*

ACRONYM LIST

µg/L	Micrograms per liter
µs	Microsiemens
1,2-DCA	1,2-dichloroethane
acfm	Actual cubic feet per minute
AS	Air sparge
bgs	Below ground surface
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CEQA	California Environmental Quality Act
cfm	Cubic feet per minute
COC	Chain of Custody
CPT	Cone Penetration (Penetrometer) Test
DIPE	Di-isopropyl ether
DO	Dissolved oxygen
DOT	Department of Transportation
DPE	Dual-phase extraction
DTW	Depth to water
EDB	1,2-dibromoethane
EPA	Environmental Protection Agency
ESL	Environmental screening level
ETBE	Ethyl tertiary butyl ether
FID	Flame-ionization detector
fpm	Feet per minute
GAC	Granular activated carbon
gpd	Gallons per day
gpm	Gallons per minute
GWPTS	Groundwater pump and treat system
HVOC	Halogenated volatile organic compound
J	Estimated value between MDL and PQL (RL)
LEL	Lower explosive limit
LPC	Liquid-phase carbon
LRP	Liquid-ring pump
LUFT	Leaking underground fuel tank
LUST	Leaking underground storage tank
MCL	Maximum contaminant level
MDL	Method detection limit
mg/kg	Milligrams per kilogram
mg/L	Milligrams per liter
mg/m^3	Milligrams per cubic meter
MPE	Multi-phase extraction
MRL	Method reporting limit
msl	Mean sea level
MTBE	Methyl tertiary butyl ether
MTCA	Model Toxics Control Act
NAI	Natural attenuation indicators
NAPL	Non-aqueous phase liquid
NEPA	National Environmental Policy Act
NGVD	National Geodetic Vertical Datum
NPDES	National Pollutant Discharge Elimination System
O&M	Operations and Maintenance
ORP	Oxidation-reduction potential
OSHA	Occupational Safety and Health Administration
OVA	Organic vapor analyzer
P&ID	Process & Instrumentation Diagram
PAH	Polycyclic aromatic hydrocarbon
PCB	Polychlorinated biphenyl
PCE	Tetrachloroethene or perchloroethylene
PID	Photo-ionization detector
PLC	Programmable logic control
POTW	Publicly owned treatment works
ppmv	Parts per million by volume
PQL	Practical quantitation limit
psi	Pounds per square inch
PVC	Polyvinyl chloride
QA/QC	Quality assurance/quality control
RBSL	Risk-based screening levels
RCRA	Resource Conservation and Recovery Act
RL	Reporting limit
scfm	Standard cubic feet per minute
SSTL	Site-specific target level
STLC	Soluble threshold limit concentration
SVE	Soil vapor extraction
SVOC	Semivolatile organic compound
TAME	Tertiary amyl methyl ether
TBA	Tertiary butyl alcohol
TCE	Trichloroethene
TOC	Top of well casing elevation; datum is msl
TOG	Total oil and grease
TPHd	Total petroleum hydrocarbons as diesel
TPHg	Total petroleum hydrocarbons as gasoline
TPHmo	Total petroleum hydrocarbons as motor oil
TPHs	Total petroleum hydrocarbons as stoddard solvent
TRPH	Total recoverable petroleum hydrocarbons
UCL	Upper confidence level
USCS	Unified Soil Classification System
USGS	United States Geologic Survey
UST	Underground storage tank
VCP	Voluntary Cleanup Program
VOC	Volatile organic compound
VPC	Vapor-phase carbon



3-D TopoQuads Copyright © 1999 DeLorme Yarmouth, ME 04096 Source Data: USGS 550 ft Scale: 1 : 19,200 Detail: 13-9 Datum: WGS84

FN 2229Topo

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

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SITE VICINITY MAP

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

PROJECT NO.
2229

PLATE
1

Analyte concentrations in µg/L
Sampled August 28, 2014

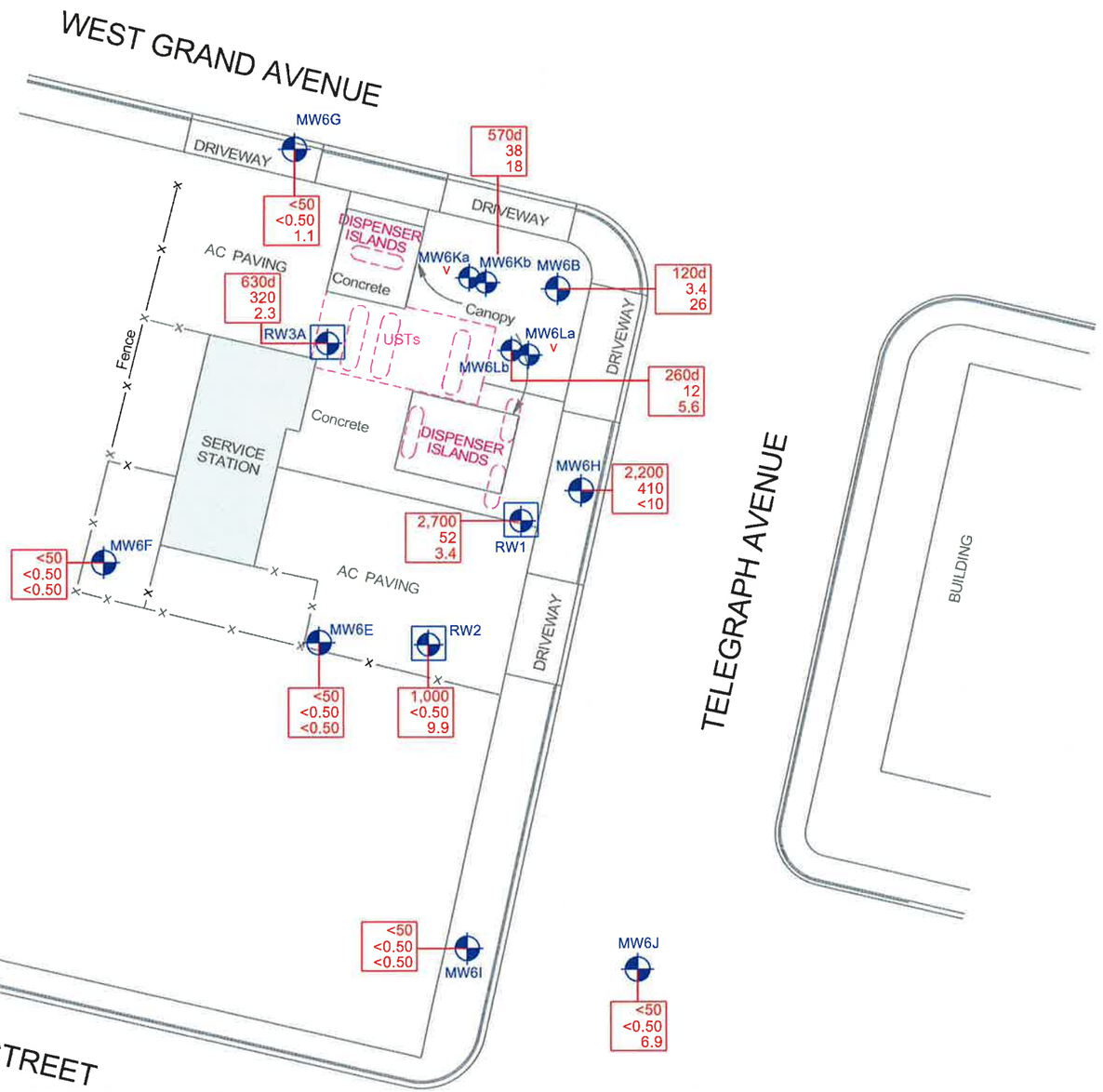
Total Petroleum Hydrocarbons as gasoline
Benzene
Methyl Tertiary Butyl Ether

< Less Than the Stated Laboratory Reporting Limit

ug/L Micrograms per Liter

d The chromatographic pattern does not match that of the specified standard.

v Insufficient water to sample.



APPROXIMATE SCALE

0 40 80 Feet

FN 2229 14 3QTR_QM

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SELECT ANALYTICAL RESULTS
August 28, 2014

FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

MW6Lb — Groundwater Monitoring Well

RW3A — Recovery Groundwater Monitoring Well

PROJECT NO.
2229

PLATE
2

FN 2229 14 3QTR_QM

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GROUNDWATER ELEVATION MAP
August 28, 2014
FORMER EXXON SERVICE STATION 70235
2225 Telegraph Avenue
Oakland, California

EXPLANATION

MW6Lb — Groundwater Monitoring Well — 8.41 — Groundwater elevation in feet; datum is mean sea level

RW3A — Recovery Groundwater Monitoring Well — 8.4 – – – Line of Equal Groundwater Elevation; datum is mean sea level

PROJECT NO.
2229

PLATE
3

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
Monitoring Well Samples																
MW6A	June 1988	---	Well installed.													
MW6A	06/24/88	---	98.99i	---	---	---	---	---	---	---	---	<0.5	<1	<2	<1	---
MW6A	07/11/88	---	98.99i	13.25	85.74	---	---	---	---	---	---	---	---	---	---	---
MW6A	10/20/88	---	98.99i	---	---	---	---	---	---	---	---	0.6	<1	<2	<1	---
MW6A	12/15/88	---	98.99i	13.40	85.59i	---	---	---	---	---	---	---	---	---	---	---
MW6A	09/07/89	---	98.99i	---	---	---	---	ND	---	---	---	2.0	ND	ND	ND	---
MW6A	05/11/90	---	98.99i	12.87	86.12i	---	---	<500	---	---	---	150	6.2	<0.25	13	---
MW6A	10/16/90	---	98.99i	13.27	85.72i	---	---	---	---	---	---	---	---	---	---	---
MW6A	12/06/90	---	98.99i	13.28	85.71i	---	---	---	---	---	---	---	---	---	---	---
MW6A	02/08/91	---	98.99i	12.49	86.50i	---	---	---	---	---	---	---	---	---	---	---
MW6A	05/07/91	---	98.99i	11.94	87.05i	---	---	2,700	---	---	---	700	64	67	74	---
MW6A	06/26/91	---	98.99i	12.87	86.12i	---	---	---	---	---	---	---	---	---	---	---
MW6A	08/05/91	---	98.99i	13.44	85.55i	---	---	---	---	---	---	---	---	---	---	---
MW6A	08/14/91	---	98.99i	13.47	85.52i	---	---	ND	---	---	---	3.6	<0.5	<0.5	<0.5	---
MW6A	09/11/91	---	98.99i	13.48	85.51i	---	---	---	---	---	---	---	---	---	---	---
MW6A	10/16/91	---	98.99i	13.64	85.35i	---	---	---	---	---	---	---	---	---	---	---
MW6A	12/30/91	---	Well damaged.													
MW6A	05/02/92	---	Well destroyed.													
MW6B	June 1988	---	Well installed.													
MW6B	06/24/88	---	98.81i	---	---	---	---	---	---	---	---	<0.5	<1	<2	5.0	---
MW6B	07/11/88	---	98.81i	12.86	85.95i	---	---	---	---	---	---	---	---	---	---	---
MW6B	10/20/88	---	98.81i	---	---	---	---	---	---	---	---	4.1	<1	<2	<1	---
MW6B	12/15/88	---	98.81i	12.94	85.87i	---	---	---	---	---	---	---	---	---	---	---
MW6B	09/07/89	---	98.81i	---	---	---	---	2,700	---	---	---	70	3.0	ND	160	---
MW6B	04/30/90	---	98.81i	12.53	86.28i	---	---	168	---	---	---	45	8.0	60	22	---
MW6B	10/16/90	---	98.81i	12.73	86.08i	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/06/90	---	98.81i	12.74	86.07i	---	---	---	---	---	---	---	---	---	---	---
MW6B	01/14/91	---	98.81i	12.57	86.24i	---	---	---	---	---	---	---	---	---	---	---
MW6B	02/08/91	---	98.81i	12.16	86.65i	---	---	---	---	---	---	---	---	---	---	---
MW6B	04/02/91	---	98.81i	11.50	87.31i	---	---	---	---	---	---	---	---	---	---	---
MW6B	05/07/91	---	98.81i	12.02	86.79i	---	---	3,300	---	---	---	240	6.0	20	660	---
MW6B	05/31/91	---	98.81i	12.40	86.41i	---	---	---	---	---	---	---	---	---	---	---
MW6B	06/26/91	---	98.81i	12.69	86.12i	---	---	---	---	---	---	---	---	---	---	---
MW6B	08/05/91	---	98.81i	12.95	85.86i	---	---	---	---	---	---	---	---	---	---	---
MW6B	08/14/91	---	98.81i	12.93	85.88i	---	---	980	---	---	---	9.1	42	310	150	---
MW6B	09/11/91	---	98.81i	13.01	85.80i	---	---	---	---	---	---	---	---	---	---	---
MW6B	10/16/91	---	98.81i	13.09	85.72i	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/30/91	---	98.81i	12.62	86.19i	---	---	---	---	---	---	---	---	---	---	---
MW6B	12/31/91	---	98.81i	---	---	---	---	1,200	---	---	---	46	<5.0	85	220	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6B	02/25/92	---	98.81i	11.81	87.00i	---	---	---	---	---	---	---	---	---	---	---
MW6B	03/25/92	---	98.81i	11.58	87.23i	---	---	190	---	---	---	31	8.6	84	8.6	---
MW6B	06/16/92	---	15.34	12.54	2.80	---	---	1,700	---	---	---	44	1.7	7.2	230	---
MW6B	09/08/92	---	15.34	12.87	2.47	No	---	2,900	---	---	---	35	8.3	110	330	---
MW6B	11/05/92	---	15.34	12.70	2.64	No	---	1,400	---	---	---	29	<0.5	75	190	---
MW6B	12/14/92	---	15.34	12.19	3.15	No	---	---	---	---	---	---	---	---	---	---
MW6B	01/28/93	---	15.34	11.39	3.95	No	---	---	---	---	---	---	---	---	---	---
MW6B	02/11/93	---	15.34	11.70	3.64	No	---	210	---	---	---	1.2	<0.5	2.8	4.3	---
MW6B	03/09/93	---	15.34	11.70	3.64	No	---	---	---	---	---	---	---	---	---	---
MW6B	04/14/93	---	15.34	11.87	3.47	No	---	---	---	---	---	---	---	---	---	---
MW6B	05/11/93	---	15.34	12.22	3.12	No	---	570	---	---	---	54	2.4	37	36	---
MW6B	06/17/93	---	15.34	12.46	2.88	No	---	---	---	---	---	---	---	---	---	---
MW6B	07/26/93	---	15.34	12.72	2.58	No	---	---	---	---	---	---	---	---	---	---
MW6B	08/10/93	---	15.34	12.82	2.52	No	---	1,300	---	---	---	48	2.4	28	44	---
MW6B	09/21/93	---	15.34	13.08	2.26	No	---	---	---	---	---	---	---	---	---	---
MW6B	10/27/93	---	15.34	13.18	2.16	No	---	1,300	---	---	---	23	1.7	25	250	---
MW6B	11/23/93	---	15.34	13.07	2.27	No	---	---	---	---	---	---	---	---	---	---
MW6B	12/17/93	---	15.34	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6B	02/16/94	---	15.34	12.07	3.27	---	---	300	---	---	---	16	<0.5	3.5	2.4	---
MW6B	05/31/94	---	15.34	12.42	2.92	No	---	690	---	---	---	21	3.9	11	36	---
MW6B	08/30/94	---	17.48j	13.02	4.46	No	---	260	---	---	---	4	0.62	0.82	4	---
MW6B	11/11/94	---	17.48j	11.72	5.76	No	---	300	---	---	---	60	2	1.2	2.4	---
MW6B	02/27/95	---	17.48j	11.84	5.64	No	---	180	---	---	---	28	2.6	0.65	1.6	---
MW6B	05/30/95	---	17.48j	12.09	5.39	No	---	200	---	---	---	23	3.6	0.88	2.3	---
MW6B	08/30/95	---	17.48j	12.76	4.72	No	---	120	---	42	---	3.8	3.6	0.61	0.69	---
MW6B	11/26/96	---	17.48j	12.26	5.22	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	02/27/97	---	17.48j	11.73	5.75	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	0.80	---
MW6B	05/21/97	---	17.48j	12.70	4.78	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	08/18/97	---	17.48j	12.89	4.59	No	---	380	---	<30	---	4.3	<0.5	1.2	1.5	---
MW6B	03/13/98	---	17.48j	11.15	6.33	No	---	360	---	<6.2	---	93	4.9	4.1	12	---
MW6B	04/20/98	---	17.48j	11.49	5.99	No	---	110	---	5.5	---	19	1.3	1.5	3.9	---
MW6B	07/21/98	---	21.37	12.18	9.19	No	---	<50	---	8.7	---	0.84	0.59	<0.5	<0.5	---
MW6B	10/06/98	---	21.37	12.70	8.67	No	---	190	---	6.0	---	2.4	0.56	0.51	1.2	---
MW6B	01/11/99	---	21.37	12.48	8.89	No	---	50	---	3.9	---	1.2	<0.5	<0.5	0.95	---
MW6B	04/08/99	---	21.37	11.52	9.85	No	---	85	---	14.0	---	4.4	<0.5	<0.5	<0.5	---
MW6B	07/19/99	---	21.37	11.39	9.98	No	---	<50	---	<2.50	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	07/27/99	---	21.37	12.71	8.66	No	---	---	---	---	---	---	---	---	---	---
MW6B	10/25/99	---	21.37	12.49	8.88	No	---	260	---	<2	---	2.3	<0.5	<0.5	<0.5	---
MW6B	01/27/00	---	21.37	11.80	9.57	No	---	770	---	13	---	210	4.8	4.9	13	---
MW6B	04/03/00	---	21.37	11.61	9.76	No	---	670	---	3.4	---	110	6.6	3.8	9.45	---
MW6B	07/05/00	---	21.37	12.27	9.10	No	---	<50	---	2.1	---	0.89	<0.5	<0.5	<0.5	---
MW6B	10/04/00	---	21.37	12.67	8.70	No	---	<50	---	54	---	<0.5	<0.5	<0.5	2	---
MW6B	10/05/00	---	21.37	---	---	---	---	---	<1,000	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6B	01/04/01	---	21.37	12.47	8.90	No	---	<50	---	35	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	04/03/01	---	21.37	11.81	9.56	No	---	<50	---	7.8	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	07/05/01	---	21.37	12.44	8.93	No	---	<50	---	3	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	10/03/01	---	21.37	12.52	8.85	No	---	310	---	10	---	2.1	<0.5	6.5	11.6	---
MW6B	Oct-01	---	21.09	Well surveyed in compliance with AB 2886 requirements.												
MW6B	01/02/02	---	21.09	11.25	9.84	No	---	710	---	21.8	---	99.5	4.40	3.30	7.40	---
MW6B	04/02/02	---	21.09	11.72	9.37	No	---	<50.0	<100	12.2	---	0.60	<0.50	<0.50	<0.50	---
MW6B	07/01/02	---	21.09	12.34	8.75	No	---	<50	<100a	10.7	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	10/02/02	---	21.09	12.71	8.38	No	---	<50.0	<100	10.9	---	<0.5	<0.5	<0.5	<0.5	---
MW6B	01/07/03	---	21.09	11.65	9.44	No	---	82.5	<50	20.8	27.8	3.7	0.5	<0.5	0.8	---
MW6B	06/17/03	---	21.09	12.09	9.00	No	---	<50.0	<100	7.3	6.10a	0.50	<0.5	<0.5	<0.5	---
MW6B	07/16/03	---	21.09	12.29	8.80	No	---	<50.0	<100	11.0	8.5	<0.50	<0.5	<0.5	<0.5	---
MW6B	10/07/03	---	21.09	12.63	8.46	No	<50	<50.0	<100	4.1	3.10	<0.50	<0.5	<0.5	<0.5	---
MW6B	01/14/04	---	21.09	11.50	9.59	No	54	62.0	<100	9.0	11.0	2.10	<0.5	<0.5	<0.5	---
MW6B	06/03/04	---	21.09	12.12	8.97	No	---	56.0	<100	6.2	5.90	0.60	<0.5	<0.5	<0.5	---
MW6B	08/12/04	---	21.09	c	c	c	<50c	94.0c	<100c	---	3.40c	0.70c	<0.5c	<0.5c	0.9c	---
MW6B	11/04/04	---	21.09	12.27	8.82	No	<50	<50.0	143	---	2.60	<0.50	<0.5	<0.5	0.7	---
MW6B	02/01/05	---	21.09	11.48	9.61	No	<100	55.9	<100	---	7.50	1.30	<0.5	<0.5	<0.5	---
MW6B	05/03/05	---	21.09	11.48	9.61	No	<50	<50.0	<100	---	4.90	0.50	<0.5	<0.5	0.8	---
MW6B	08/04/05	---	21.09	12.23	8.86	No	<50.0	<50.0	<100	---	5.99	<0.500	<0.500	<0.500	0.692	---
MW6B	10/27/05	---	21.09	12.60	8.49	No	<50.0	<50.0	<50.0	---	1.65	<0.50	0.94f	<0.50	1.29	---
MW6B	01/26/06	---	21.09	11.39	9.70	No	83d	510	<500	---	12	130	12	14	39	---
MW6B	04/28/06	---	21.09	10.99	10.10	No	240d	3,100	<470	---	43	920h	110	130	290	---
MW6B	07/05/06	---	21.09	12.05	9.04	No	<47.6	79.4	<95.2	---	11.4	2.95	<1.00	<1.00	<3.00	---
MW6B	10/27/06	---	21.09	12.53	8.56	No	<47	<50.0	<470	---	2.25	0.63	<0.50	<0.50	<0.50	---
MW6B	01/19/07	---	21.09	12.05	9.04	No	<47	<50.0	<470	---	3.75	<0.50	<0.50	<0.50	<0.50	---
MW6B	04/24/07	---	21.09	11.71	9.38	No	60.9d	<50.0	<46.9	---	4.19	0.51	<0.50	<0.50	<0.50	---
MW6B	07/24/07	---	21.09	12.24	8.85	No	<47	<50	<470	---	3.2	0.80	<0.50	<0.50	<0.50	---
MW6B	12/03/07	---	21.09	12.71	8.38	No	<47	64	<470	---	2.8	2.5	<0.50	<0.50	<0.50	---
MW6B	03/06/08	---	21.09	11.50	9.59	No	52d	330	<470	---	6.2	60	2.5	4.1	5.4	---
MW6B	06/26/08	---	21.09	12.76	8.33	No	<47	<50	<470	---	6.4	<0.50	<0.50	<0.50	<0.50	---
MW6B	08/12/08	---	21.09	12.89	8.20	No	72.0d,m,n	<50.0	89.3m	---	3.59	1.52	<0.50	<0.50	1.18	---
MW6B	10/23/08	---	21.09	13.18	7.91	No	<50	<50	<250	---	6.1	<0.50	<0.50	<0.50	<1.0	---
MW6B	03/25/09	---	21.09	11.76	9.33	No	730	5,400	<250	---	39	1,700	220	250	500	---
MW6B	06/17/09	---	21.09	---	---	---	420	2,500	<250	---	51	1000	99	84	150	---
MW6B	06/17/09	---	21.09	12.36	8.73	No	420	2,500	<250	---	51	1,000	99	84	150	---
MW6B	09/04/09	---	21.09	12.85	8.24	No	90d	710	<250	---	33	69	2.7	<0.50	4.1	---
MW6B	03/09/10	---	21.09	10.88	10.21	No	1,500d	6,500	<250	---	57	2,200	140	200	430	---
MW6B	09/17/10	---	21.09	12.92	8.17	No	<50	590d	<250	---	45	77	<10	<10	<20	---
MW6B	02/15/11	---	21.09	11.68	9.41	No	830d	6,600d	<250	---	63	2,700	120	140	260	---
MW6B	08/23/11	---	21.09	12.07	9.02	No	450d	4,500d	<250	---	57	1,100	27	5.9	43	---
MW6B	02/09/12	---	21.09	11.98	9.11	No	230d	1,700d	<250	---	61s	280	8.0	5.6	19	---
MW6B	07/24/12	---	21.09	12.41	8.68	No	820d	6,200	<250	---	82	2,100	130	57	200	675

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6B	03/08/13	---	21.09	11.85	9.24	No	---	---	---	---	---	---	---	---	---	---
MW6B	03/11/13	---	21.09	---	---	---	620d	5,700	<250	---	78	1,500	44	14	58	---
MW6B	09/04/13	---	21.09	12.60	8.49	No	59d	320	<250	---	39	10	<0.50	<0.50	<0.50	---
MW6B	12/11/13 b	---	21.09	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6B	01/30/14	---	21.09	12.84	8.25	No	<48	83d	<240	---	10	<0.50	<0.50	<0.50	<0.50	---
MW6B	**08/28/14**	**---**	**21.09**	**12.76**	**8.33**	**No**	**<50**	**120d**	**<250**	**---**	**26**	**3.4**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6C	06/15/88	---	99.89i	Well installed.												
MW6C	06/24/88	---	99.89i	---	---	---	---	---	---	---	---	7,400	7.1	170	2,300	---
MW6C	07/11/88	---	99.89i	14.21	85.68i	---	---	---	---	---	---	---	---	---	---	---
MW6C	10/20/88	---	99.89i	---	---	---	---	---	---	---	---	9,500	65	170	850	---
MW6C	12/15/88	---	99.89i	14.10	85.79i	---	---	---	---	---	---	---	---	---	---	---
MW6C	09/07/89	---	99.89i	---	---	---	---	18,000	---	---	---	7,900	430	350	1,100	---
MW6C	04/30/90	---	99.89i	13.81	86.68i	---	---	30,000	---	---	---	6,100	1,500	1,000	2,700	---
MW6C	05/10/90	---	99.89i	Well over-drilled into recovery well RW3.												
MW6D	07/06/88	---	98.78i	Well installed.												
MW6D	07/11/88	---	98.78i	13.48	85.24i	0.002083	---	---	---	---	---	220	27	<20	<10	---
MW6D	10/20/88	---	98.78i	---	---	---	---	---	---	---	---	710	74	22	110	---
MW6D	12/15/88	---	98.78i	13.44	85.34i	---	---	---	---	---	---	---	---	---	---	---
MW6D	09/07/89	---	98.78i	---	---	---	---	2,200	---	---	---	600	26	58	31	---
MW6D	04/30/90	---	98.78i	13.19	85.59i	---	---	3,600	---	---	---	800	150	310	280	---
MW6D	05/10/90	---	98.78i	Well over-drilled into recovery well RW2.												
MW6E	10/04/88	---	98.99i	Well installed.												
MW6E	10/20/88	---	98.99i	---	---	---	---	---	---	---	---	1.1	<2	<1	3.4	---
MW6E	12/15/88	---	98.99i	13.70	85.29i	---	---	---	---	---	---	---	---	---	---	---
MW6E	09/07/89	---	98.99i	---	---	---	---	220	---	---	---	3.0	ND	ND	ND	---
MW6E	04/30/90	---	98.99i	13.43	85.56i	---	---	250	---	---	---	57	<5.0	<5.0	53	---
MW6E	10/16/90	---	98.99i	13.77	85.22i	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/06/90	---	98.99i	13.95	85.04i	---	---	---	---	---	---	---	---	---	---	---
MW6E	01/14/91	---	98.99i	13.95	85.04i	---	---	---	---	---	---	---	---	---	---	---
MW6E	02/08/91	---	98.99i	13.20	85.79i	---	---	---	---	---	---	---	---	---	---	---
MW6E	04/02/91	---	98.99i	12.28	86.71i	---	---	---	---	---	---	---	---	---	---	---
MW6E	05/07/91	---	98.99i	13.48	85.51i	---	---	160	---	---	---	32	1.0	2.2	1.4	---
MW6E	05/31/91	---	98.99i	14.09	84.90i	---	---	---	---	---	---	---	---	---	---	---
MW6E	06/26/91	---	98.99i	12.54	86.45i	---	---	---	---	---	---	---	---	---	---	---
MW6E	08/05/91	---	98.99i	14.39	84.60i	---	---	---	---	---	---	---	---	---	---	---
MW6E	08/14/91	---	98.99i	14.18	84.81i	---	---	ND	---	---	---	0.9	<0.5	<0.5	<0.5	---
MW6E	09/11/91	---	98.99i	14.73	84.26i	---	---	---	---	---	---	---	---	---	---	---
MW6E	10/16/91	---	98.99i	14.40	84.59i	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/30/91	---	98.99i	13.39	85.60i	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/31/91	---	98.99i	---	---	---	---	90	---	---	---	3.1	<0.5	<0.5	<0.5	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6E	02/25/92	---	98.99i	13.16	85.83i	---	---	---	---	---	---	---	---	---	---	---
MW6E	03/25/92	---	98.99i	12.15	86.84i	---	---	830	---	---	---	41	1.0	3.8	16	---
MW6E	06/16/92	---	15.23	13.54	1.69	---	---	3,400	---	---	---	300	23	68	510	---
MW6E	09/08/92	---	15.23	14.78	0.45	No	---	480	---	---	---	27	<0.5	3.6	21	---
MW6E	11/05/92	---	15.23	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	12/14/92	---	15.23	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	01/28/93	---	15.23	11.62	3.61	No	---	---	---	---	---	---	---	---	---	---
MW6E	02/11/93	---	15.23	12.85	2.38	No	---	270	---	---	---	15	<0.5	<0.5	8.7	---
MW6E	03/09/93	---	15.23	12.83	2.40	No	---	---	---	---	---	---	---	---	---	---
MW6E	04/14/93	---	15.23	---	---	No	---	---	---	---	---	---	---	---	---	---
MW6E	05/11/93	---	15.23	13.59	1.64	No	---	<50	---	---	---	2.3	<0.5	1.4	3.2	---
MW6E	06/17/93	---	15.23	13.74	1.49	No	---	---	---	---	---	---	---	---	---	---
MW6E	07/26/93	---	15.23	14.01	1.22	No	---	---	---	---	---	---	---	---	---	---
MW6E	08/10/93	---	15.23	14.13	1.10	No	---	1,700	---	---	---	130	2.7	23	140	---
MW6E	09/21/93	---	15.23	14.20	1.03	No	---	---	---	---	---	---	---	---	---	---
MW6E	10/27/93	---	15.23	14.34	0.89	No	---	100	---	---	---	6.0	<0.5	<0.5	<0.5	---
MW6E	11/23/93	---	15.23	13.97	1.26	No	---	---	---	---	---	---	---	---	---	---
MW6E	12/17/93	---	15.23	13.08	2.15	No	---	---	---	---	---	---	---	---	---	---
MW6E	02/16/94	---	15.23	13.34	1.89	No	---	640	---	---	---	45	<0.5	12	15	---
MW6E	05/31/94	---	15.23	13.82	1.41	No	---	52	---	---	---	1.5	0.97	<0.5	<0.5	---
MW6E	08/30/94	---	17.63j	14.32	3.31	No	---	920	---	---	---	22	0.98	5.2	33	---
MW6E	11/11/94	---	17.63j	13.92	3.71	No	---	910	---	---	---	13	2.4	13	2.5	---
MW6E	02/27/95	---	17.63j	12.96	4.67	No	---	<50	---	---	---	1.9	1.3	<0.5	0.83	---
MW6E	05/30/95	---	17.63j	13.20	4.43	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	08/30/95	---	17.63j	13.85	3.78	No	---	1,500	---	11	---	91	2.3	56	59	---
MW6E	11/26/96	---	17.63j	12.94	4.69	No	---	<50	---	<30	---	1.1	<0.5	<0.5	<0.5	---
MW6E	02/27/97	---	17.63j	12.28	5.35	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	05/21/97	---	17.63j	13.60	4.03	No	---	160	---	<5	---	10	1.4	5.5	4.8	---
MW6E	08/18/97	---	17.63j	13.75	3.88	No	---	66	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	03/13/98	---	17.63j	11.36	6.27	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	04/20/98	---	17.63j	11.88	5.75	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	07/21/98	---	21.58	13.10	8.48	No	---	1,200	---	<10	---	81	3.1	28	77	---
MW6E	10/06/98	---	21.58	13.55	8.03	No	---	<50	---	6.6	---	1.4	0.51	<0.5	0.97	---
MW6E	01/11/99	---	21.58	13.40	8.18	No	---	<50	---	5.1	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	04/08/99	---	21.58	12.04	9.54	No	---	<50	---	4.7	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	07/19/99	---	21.58	11.59	9.99	No	---	---	---	---	---	---	---	---	---	---
MW6E	07/27/99	---	21.58	13.65	7.93	No	---	---	---	---	---	---	---	---	---	---
MW6E	10/25/99	---	21.58	13.52	8.06	No	---	<50	---	2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	01/27/00	---	21.58	11.71	9.87	No	---	<50	---	2.3	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	04/03/00	---	21.58	12.11	9.47	No	---	<50	---	<2	---	0.51	<0.5	<0.5	<0.5	---
MW6E	07/05/00	---	21.58	12.91	8.67	No	---	<50	---	<2	---	3.7	<0.5	<0.5	<0.5	---
MW6E	10/04/00	---	21.58	13.35	8.23	No	---	<50	---	<2	---	4.1	<0.5	<0.5	<0.5	---
MW6E	10/05/00	---	21.58	---	---	---	---	---	<1,000	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6E	01/04/01	---	21.58	13.09	8.49	No	---	61	---	<2	---	11	<0.5	<0.5	<0.5	---
MW6E	04/03/01	---	21.58	12.39	9.19	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6E	07/05/01	---	21.58	13.21	8.37	No	---	210	---	<2	---	80	<0.5	0.94	2.3	---
MW6E	10/03/01	---	21.58	13.30	8.28	No	---	<50	---	<2	---	2.8	<0.5	<0.5	<0.5	---
MW6E	Oct-01	---	21.24	Well surveyed in compliance with AB 2886 requirements.												
MW6E	01/02/02	---	21.24	10.11	11.13	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6E	04/02/02	---	21.24	12.11	9.13	No	---	<50.0	<100	0.70	---	<0.50	<0.50	<0.50	<0.50	---
MW6E	07/01/02	---	21.24	12.46	8.78	No	---	56.0	<100a	<0.5	---	19.9	<0.5	<0.5	<0.5	---
MW6E	10/02/02	---	21.24	13.48	7.76	No	---	<50.0	<100	0.8	---	0.5	<0.5	<0.5	<0.5	---
MW6E	01/07/03	---	21.24	11.81	9.43	No	---	<50.0	<50	<0.5	<0.50	0.5	<0.5	<0.5	<0.5	---
MW6E	06/17/03	---	21.24	12.72	8.52	No	---	<50.0	153	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	07/16/03	---	21.24	12.92	8.32	No	---	<50.0	<100	<0.5	<0.50	4.50	<0.5	<0.5	<0.5	---
MW6E	10/07/03	---	21.24	13.34	7.90	No	<50	<50.0	<100	0.9	0.60	2.50	<0.5	<0.5	<0.5	---
MW6E	01/14/04	---	21.24	11.92	9.32	No	<50	<50.0	<100	<0.5	<0.50	0.50	<0.5	<0.5	<0.5	---
MW6E	06/03/04	---	21.24	12.97	8.27	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	08/12/04	---	21.24	c	c	c	<50c	<50.0c	<100c	---	<0.50c	4.30c	<0.5c	<0.5c	0.8c	---
MW6E	11/04/04	---	21.24	12.68	8.56	No	<50	<50.0	124	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	02/01/05	---	21.24	11.75	9.49	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	05/03/05	---	21.24	11.93	9.31	No	64d	<50.0	116	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6E	08/04/05	---	21.24	12.92	8.32	No	96.2d	87.9	122	---	<0.500	14.1	<0.500	<0.500	0.792	---
MW6E	10/27/05	---	21.24	13.24	8.00	No	<50.0	<50.0	<50.0	---	<0.500	<0.50	0.91f	<0.50	1.22	---
MW6E	01/26/06	---	21.24	11.78	9.46	No	<50	<50	<500	---	<0.50	7.2	0.67	0.71	2.0	---
MW6E	04/28/06	---	21.24	11.27	9.97	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	07/05/06	---	21.24	12.67	8.57	No	149	<50.0	316	---	<0.500	<1.00	<1.00	<1.00	<3.00	---
MW6E	10/27/06	---	21.24	13.34	7.90	No	<47	<50.0	<470	---	<0.500	<0.50	0.81	<0.50	1.26	---
MW6E	01/19/07	---	21.24	12.66	8.58	No	<47	<50.0	<470	---	<0.500	2.33	<0.50	<0.50	<0.50	---
MW6E	04/24/07	---	21.24	12.00	9.24	No	82.2d	<50.0	76.7	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6E	07/24/07	---	21.24	13.02	8.22	No	70d	55	<470	---	<0.50	18	<0.50	<0.50	<0.50	---
MW6E	12/03/07	---	21.24	13.24	8.00	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	03/06/08	---	21.24	11.79	9.45	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	06/26/08	---	21.24	13.15	8.09	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	08/12/08	---	21.24	13.32	7.92	No	72.7d,m,n	<50.0	112m	---	<0.500	6.74	<0.50	<0.50	3.51	---
MW6E	10/23/08	---	21.24	13.52	7.72	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	03/25/09	---	21.24	11.66	9.58	No	<50	<50	<250	---	<0.50	0.82	<0.50	<0.50	1.1o	---
MW6E	06/17/09	---	21.24	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	06/17/09	---	21.24	12.68	8.56	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	09/04/09	---	21.24	13.20	8.04	No	58d	79	<250	---	<0.50	8.1	<0.50	<0.50	<1.0	---
MW6E	03/09/10	---	21.24	10.86	10.38	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	09/17/10	---	21.24	13.13	8.11	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6E	02/15/11	---	21.24	11.84	9.40	No	<50	<50	<250	---	<0.50	1.3	<0.50	<0.50	<1.0	---
MW6E	08/23/11	---	21.24	12.73	8.51	No	<50	<50	<250	---	<0.50	8.9	<0.50	<0.50	<1.0	---
MW6E	02/09/12	---	21.24	12.38	8.86	No	<50	57d	<250	---	<0.50	9.2	<0.50	<0.50	<1.0	---
MW6E	07/24/12	---	21.24	13.84	7.40	No	<50	<50	<250	---	<0.50	3.1	<0.50	<0.50	<1.0	335

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6E	03/08/13	---	21.24	12.19	9.05	No	---	---	---	---	---	---	---	---	---	---
MW6E	03/11/13	---	21.24	---	---	---	52d	120d	<250	---	<0.50	23	<0.50	<0.50	<0.50	---
MW6E	09/04/13	---	21.24	13.07	8.17	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	12/11/13 b	---	21.24	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6E	01/30/14	---	21.24	13.35	7.89	No	58d	<50	<240	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6E	**08/28/14**	**---**	**21.24**	**13.35**	**7.89**	**No**	**<50**	**<50**	**<250**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6F	10/05/88	---	99.91i	Well installed.												
MW6F	10/25/88	---	99.91i	---	---	---	---	ND	---	---	---	<0.5	<1	<2	2.4	---
MW6F	12/15/88	---	99.91i	14.48	85.43i	---	---	---	---	---	---	---	---	---	---	---
MW6F	09/07/89	---	99.91i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6F	04/30/90	---	99.91i	14.14	85.77i	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6F	10/16/90	---	99.91i	14.77	85.14i	---	---	---	---	---	---	---	---	---	---	---
MW6F	12/06/90	---	99.91i	14.81	85.10i	---	---	---	---	---	---	---	---	---	---	---
MW6F	01/14/91	---	99.91i	14.73	85.18i	---	---	---	---	---	---	---	---	---	---	---
MW6F	02/08/91	---	99.91i	13.73	86.18ii	---	---	---	---	---	---	---	---	---	---	---
MW6F	04/02/91	---	99.91i	12.38	87.53i	---	---	---	---	---	---	---	---	---	---	---
MW6F	05/07/91	---	99.91i	13.67	86.24i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	05/31/91	---	99.91i	14.43	85.48i	---	---	---	---	---	---	---	---	---	---	---
MW6F	06/26/91	---	99.91i	14.81	85.10i	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/05/91	---	99.91i	14.96	84.95i	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/14/91	---	99.91i	14.87	85.04i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	09/11/91	---	99.91i	15.11	84.80i	---	---	---	---	---	---	---	---	---	---	---
MW6F	10/16/91	---	99.91i	15.16	84.75i	---	---	---	---	---	---	---	---	---	---	---
MW6F	12/30/91	---	99.91i	13.78	86.13i	---	---	---	---	---	---	---	---	---	---	---
MW6F	12/31/91	---	99.91i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	02/25/92	---	99.91i	12.68	87.23i	---	---	---	---	---	---	---	---	---	---	---
MW6F	03/25/92	---	99.91i	11.93	87.98i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	06/16/92	---	16.46	14.34	2.12	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6F	09/08/92	---	16.46	14.75	1.71	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/05/92	---	16.46	14.35	2.11	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	12/14/92	---	16.46	12.90	3.56	No	---	---	---	---	---	---	---	---	---	---
MW6F	01/28/93	---	16.46	11.60	4.86	No	---	---	---	---	---	---	---	---	---	---
MW6F	02/11/93	---	16.46	12.25	4.21	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	03/09/93	---	16.46	12.50	3.96	No	---	---	---	---	---	---	---	---	---	---
MW6F	04/14/93	---	16.46	12.71	3.75	No	---	---	---	---	---	---	---	---	---	---
MW6F	05/11/93	---	16.46	13.63	2.83	No	---	<50	---	---	---	---	---	---	---	---
MW6F	06/17/93	---	16.46	14.02	2.44	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/26/93	---	16.46	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	08/10/93	---	16.46	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	09/21/93	---	16.46	14.80	1.66	No	---	---	---	---	---	---	---	---	---	---
MW6F	10/27/93	---	16.46	14.85	1.61	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/23/93	---	16.46	Well inaccessible.												

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6F	12/17/93	---	16.46	13.86	2.60	No	---	---	---	---	---	---	---	---	---	---
MW6F	02/16/94	---	16.46	13.08	3.38	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	05/31/94	---	16.46	14.06	2.40	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	08/30/94	---	18.58j	14.84	3.74	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/11/94	---	18.58j	12.60	5.98	No	---	<50	---	---	---	<0.5	0.54	<0.5	<0.5	---
MW6F	02/27/95	---	18.58j	12.75	5.83	No	---	<50	---	---	---	6.2	3.0	0.82	3.5	---
MW6F	05/30/95	---	18.58j	13.16	5.42	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	08/30/95	---	18.58j	14.31	4.27	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	11/26/96	---	18.58j	13.29	5.29	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	02/27/97	---	18.58j	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	05/21/97	---	18.58j	14.18	4.40	No	---	---	---	---	---	---	---	---	---	---
MW6F	08/18/97	---	18.58j	14.69	3.89	No	---	---	---	---	---	---	---	---	---	---
MW6F	03/13/98	---	18.58j	10.93	7.65	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	04/20/98	---	18.58j	11.77	6.81	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/21/98	---	22.51	13.62	8.89	No	---	---	---	---	---	---	---	---	---	---
MW6F	10/06/98	---	22.51	13.52	8.99	No	---	---	---	---	---	---	---	---	---	---
MW6F	01/11/99	---	22.51	14.06	8.45	No	---	---	---	---	---	---	---	---	---	---
MW6F	04/08/99	---	22.51	11.86	10.65	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/19/99	---	22.51	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	07/27/99	---	22.51	Well inaccessible.			---	---	---	---	---	---	---	---	---	---
MW6F	10/25/99	---	22.51	12.63	9.88	No	---	---	---	---	---	---	---	---	---	---
MW6F	01/27/00	---	22.51	12.23	10.28	No	---	---	---	---	---	---	---	---	---	---
MW6F	04/03/00	---	22.51	12.11	10.40	No	---	---	---	---	---	---	---	---	---	---
MW6F	07/05/00	---	22.51	13.38	9.13	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	10/04/00	---	22.51	14.02	8.49	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	0.7	---
MW6F	10/05/00	---	22.51	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6F	01/04/01	---	22.51	13.69	8.82	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	04/03/01	---	22.51	12.55	9.96	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	07/05/01	---	22.51	13.74	8.77	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	10/03/01	---	22.51	13.82	8.69	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	Oct-01	---	22.17	Well surveyed in compliance with AB 2886 requirements.												
MW6F	01/02/02	---	22.17	9.16	13.01	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6F	04/02/02	---	22.17	12.14	10.03	No	---	<50.0	<100	<0.50	---	<0.50	<0.50	<0.50	<0.50	---
MW6F	07/01/02	---	22.17	13.46	8.71	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	10/02/02	---	22.17	14.19	7.98	No	---	<50.0	<100	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6F	01/07/03	---	22.17	11.73	10.44	No	---	<50.0	<50	<0.5	<0.50	<0.5	<0.5	<0.5	<0.5	---
MW6F	06/17/03	---	22.17	13.13	9.04	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	07/16/03	---	22.17	13.51	8.66	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	10/07/03	---	22.17	14.05	8.12	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	01/14/04	---	22.17	11.90	10.27	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	06/03/04	---	22.17	13.45	8.72	No	<50	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	08/12/04	---	22.17	c	c	c	52c	<50.0c	<100c	---	<0.50c	<0.50c	<0.5c	<0.5c	<0.5c	---
MW6F	11/04/04	---	22.17	13.03	9.14	No	<50	<50.0	109	---	<0.50	<0.50	<0.5	<0.5	<0.5	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6F	02/01/05	---	22.17	11.56	10.61	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	05/03/05	---	22.17	11.92	10.25	No	<50	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6F	08/04/05	---	22.17	13.42	8.75	No	<50.0	<50.0	<100	---	<0.500	<0.500	<0.500	<0.500	<0.500	---
MW6F	10/27/05	---	22.17	13.88	8.29	No	<50.0	<50.0	<50.0	---	<0.500	<0.50	0.93f	<0.50	<0.50	---
MW6F	01/26/06	---	22.17	11.83	10.34	No	<50	<50	<500	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	04/28/06	---	22.17	10.96	11.21	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	07/05/06	---	22.17	13.05	9.12	No	<47.6	<50.0	<95.2	---	<0.500	<1.00	<1.00	<1.00	<3.00	---
MW6F	10/27/06	---	22.17	14.06	8.11	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	01/19/07	---	22.17	13.06	9.11	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	04/24/07	---	22.17	12.01	10.16	No	103d	<50.0	93.5	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	07/24/07	---	22.17	13.61	8.56	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	12/03/07	---	22.17	13.80	8.37	No	---	---	---	---	---	---	---	---	---	---
MW6F	03/06/08	---	22.17	11.77	10.40	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	06/26/08	---	22.17	13.74	8.43	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	08/12/08	---	22.17	14.00	8.17	No	<47.6m,n	<50.0	75.5m	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6F	10/23/08	---	22.17	14.28	7.89	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	03/25/09	---	22.17	11.64	10.53	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	06/17/09	---	22.17	13.13	9.04	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	06/17/09	---	22.17	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	09/04/09	---	22.17	13.85	8.32	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	03/09/10	---	22.17	10.64	11.53	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	09/17/10	---	22.17	13.81	8.36	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	02/15/11	---	22.17	12.17	10.00	No	<50	<50	<250	---	<0.50	0.59	<0.50	<0.50	<1.0	---
MW6F	08/23/11	---	22.17	13.17	9.00	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	02/09/12	---	22.17	12.82	9.35	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6F	07/24/12	---	22.17	13.49	8.68	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	225
MW6F	03/08/13	---	22.17	12.54	9.63	No	---	---	---	---	---	---	---	---	---	---
MW6F	03/11/13	---	22.17	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	09/04/13	---	22.17	13.88	8.29	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	12/11/13 b	---	22.17	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6F	01/30/14	---	22.17	14.07	8.10	No	50d	<50	<240	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6F	**08/28/14**	**---**	**22.17**	**14.15**	**8.02**	**No**	**<50**	**<50**	**<250**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6G	11/16/88	---	99.16i	Well installed.												
MW6G	12/07/88	---	99.16i	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/15/88	---	99.16i	12.22	86.94i	---	---	ND	---	---	---	<0.5	<1	<2	<1	---
MW6G	09/07/89	---	99.16i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6G	04/30/90	---	99.16i	11.73	87.43i	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6G	10/16/90	---	99.16i	12.28	86.88i	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/06/90	---	99.16i	12.27	86.89i	---	---	---	---	---	---	---	---	---	---	---
MW6G	01/14/91	---	99.16i	12.14	87.02i	---	---	---	---	---	---	---	---	---	---	---
MW6G	02/08/91	---	99.16i	11.44	87.72i	---	---	---	---	---	---	---	---	---	---	---
MW6G	04/02/91	---	99.16i	10.03	89.13i	---	---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6G	05/07/91	---	99.16i	11.00	88.16i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	05/31/91	---	99.16i	11.75	87.41i	---	---	---	---	---	---	---	---	---	---	---
MW6G	06/26/91	---	99.16i	12.91	86.25i	---	---	---	---	---	---	---	---	---	---	---
MW6G	08/05/91	---	99.16i	12.43	86.73i	---	---	---	---	---	---	---	---	---	---	---
MW6G	08/14/91	---	99.16i	12.43	86.73i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	09/11/91	---	99.16i	12.48	86.68i	---	---	---	---	---	---	---	---	---	---	---
MW6G	10/16/91	---	99.16i	12.64	86.52i	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/30/91	---	99.16i	11.80	87.36i	---	---	---	---	---	---	---	---	---	---	---
MW6G	12/31/91	---	99.16i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	02/25/92	---	99.91i	10.32	88.84i	---	---	---	---	---	---	---	---	---	---	---
MW6G	03/25/92	---	99.91i	9.93	89.23i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	06/16/92	---	14.71	11.88	2.83	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6G	09/08/92	---	14.71	12.20	2.51	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/05/92	---	14.71	12.02	2.69	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	12/14/92	---	14.71	10.95	3.76	No	---	---	---	---	---	---	---	---	---	---
MW6G	01/28/93	---	14.71	9.56	5.15	No	---	---	---	---	---	---	---	---	---	---
MW6G	02/11/93	---	14.71	10.04	4.67	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	03/09/93	---	14.71	10.10	4.61	No	---	---	---	---	---	---	---	---	---	---
MW6G	04/14/93	---	14.71	10.43	4.28	No	---	---	---	---	---	---	---	---	---	---
MW6G	05/11/93	---	14.71	11.05	3.66	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	06/17/93	---	14.71	11.49	3.22	No	---	---	---	---	---	---	---	---	---	---
MW6G	07/26/93	---	14.71	11.98	2.73	No	---	---	---	---	---	---	---	---	---	---
MW6G	08/10/93	---	14.71	12.17	2.54	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	09/21/93	---	14.71	12.42	2.29	No	---	---	---	---	---	---	---	---	---	---
MW6G	10/27/93	---	14.71	13.47	1.24	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/23/93	---	14.71	12.48	2.23	No	---	---	---	---	---	---	---	---	---	---
MW6G	12/17/93	---	14.71	11.19	3.52	No	---	---	---	---	---	---	---	---	---	---
MW6G	02/16/94	---	14.71	10.62	4.09	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	05/31/94	---	14.71	11.40	3.31	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	08/30/94	---	16.82j	12.32	4.50	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/11/94	---	16.82j	11.06	5.76	No	---	58	---	---	---	0.58	1.6	<0.5	1.6	---
MW6G	02/27/95	---	16.82j	10.32	6.50	No	---	<50	---	---	---	0.86	0.99	<0.5	0.51	---
MW6G	05/30/95	---	16.82j	10.77	6.05	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	08/30/95	---	16.82j	11.92	4.90	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	11/26/96	---	16.82j	11.12	5.70	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	02/27/97	---	16.82j	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	05/21/97	---	16.82j	11.76	5.06	No	---	---	---	---	---	---	---	---	---	---
MW6G	08/18/97	---	16.82j	12.23	4.59	No	---	---	---	---	---	---	---	---	---	---
MW6G	03/13/98	---	16.82j	9.13	7.69	No	---	<50	---	4.4	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	04/20/98	---	16.82j	9.73	7.09	No	---	---	---	---	---	---	---	---	---	---
MW6G	07/21/98	---	20.72	11.15	9.57	No	---	---	---	---	---	---	---	---	---	---
MW6G	10/06/98	---	20.72	11.91	8.81	No	---	---	---	---	---	---	---	---	---	---
MW6G	01/11/99	---	20.72	12.00	8.72	No	---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6G	04/08/99	---	20.72	10.04	10.68	No	---	---	---	---	---	---	---	---	---	---
MW6G	07/19/99	---	20.72	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	07/27/99	---	20.72	11.75	8.97	No	---	---	---	---	---	---	---	---	---	---
MW6G	10/25/99	---	20.72	11.76	8.96	No	---	---	---	---	---	---	---	---	---	---
MW6G	01/27/00	---	20.72	11.46	9.26	No	---	---	---	---	---	---	---	---	---	---
MW6G	04/03/00	---	20.72	10.00	10.72	No	---	--	---	---	---	---	---	---	---	---
MW6G	07/05/00	---	20.72	11.24	9.48	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	10/04/00	---	20.72	11.88	8.84	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	10/05/00	---	20.72	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6G	01/04/01	---	20.72	11.56	9.16	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	04/03/01	---	20.72	10.45	10.27	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	07/05/01	---	20.72	11.51	9.21	No	---	<50	---	<2	---	0.75	<0.5	<0.5	<0.5	---
MW6G	10/03/01	---	20.72	11.63	9.09	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	Oct-01	---	20.46	Well surveyed in compliance with AB 2886 requirements.												
MW6G	01/02/02	---	20.46	9.15	11.31	No	---	<100	---	1.8	---	<0.50	<0.50	<0.50	<0.50	---
MW6G	04/02/02	---	20.46	10.19	10.27	No	---	<50.0	<100	1.10	---	<0.50	<0.50	<0.50	<0.50	---
MW6G	07/01/02	---	20.46	11.35	9.11	No	---	<50	<100a	1.3	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	10/02/02	---	20.46	11.99	8.47	No	---	<50.0	<100	0.7	---	<0.5	<0.5	<0.5	<0.5	---
MW6G	01/07/03	---	20.46	9.97	10.49	No	---	<50.0	<50	1.3	2.0	<0.5	<0.5	<0.5	<0.5	---
MW6G	06/17/03	---	20.46	10.98	9.48	No	---	<50.0	<100	1.5	1.6	<0.50	<0.5	<0.5	<0.5	---
MW6G	07/16/03	---	20.46	11.37	9.09	No	---	<50.0	<100	1.2	0.9	<0.50	<0.5	<0.5	<0.5	---
MW6G	10/07/03	---	20.46	11.90	8.56	No	<50	<50.0	<100	0.8	0.80	<0.50	<0.5	<0.5	<0.5	---
MW6G	01/14/04	---	20.46	10.10	10.36	No	<50	<50.0	<100	1.0	1.40	<0.50	<0.5	<0.5	<0.5	---
MW6G	06/03/04	---	20.46	11.10	9.36	No	<50	<50.0	<100	1.40	1.4	<0.50	<0.5	<0.5	<0.5	---
MW6G	08/12/04	---	20.46	c	c	c	99c	<50.0c	101c	---	1.10c	<0.50c	<0.5c	<0.5c	<0.5c	---
MW6G	11/04/04	---	20.46	11.18	9.28	No	<50	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6G	02/01/05	---	20.46	9.79	10.67	No	<100	<50.0	<100	---	3.40	<0.50	<0.5	<0.5	<0.5	---
MW6G	05/03/05	---	20.46	9.95	10.51	No	<50	<50.0	<100	---	1.40	<0.50	<0.5	<0.5	<0.5	---
MW6G	08/04/05	---	20.46	11.22	9.24	No	<50.0	<50.0	<100	---	1.42	<0.500	<0.500	<0.500	<0.500	---
MW6G	10/27/05	---	20.46	11.76	8.70	No	<50.0	<50.0	61.3	---	0.810	<0.50	0.93f	<0.50	<0.50	---
MW6G	01/26/06	---	20.46	11.07	9.39	No	<50	<50	<500	---	1.8	<0.50	<0.50	<0.50	<0.50	---
MW6G	04/28/06	---	20.46	9.11	11.35	No	<47	<50	<470	---	2.8	<0.50	<0.50	<0.50	<0.50	---
MW6G	07/05/06	---	20.46	10.70	9.76	No	88.6	<50.0	277	---	2.49	<1.00	<1.00	<1.00	<3.00	---
MW6G	10/27/06	---	20.46	11.75	8.71	No	<47	61.9	<470	---	1.40	<0.50	<0.50	<0.50	<0.50	---
MW6G	01/19/07	---	20.46	10.94	9.52	No	<47	<50.0	<470	---	1.34	<0.50	<0.50	<0.50	<0.50	---
MW6G	04/24/07	---	20.46	10.40	10.06	No	<47.6	<50.0	<47.6	---	2.17	<0.50	<0.50	<0.50	<0.50	---
MW6G	07/24/07	---	20.46	11.49	8.97	No	<47	<50	<470	---	1.3	<0.50	<0.50	<0.50	<0.50	---
MW6G	12/03/07	---	20.46	11.60	8.86	No	<47	<50	<470	---	0.88	<0.50	<0.50	<0.50	<0.50	---
MW6G	03/06/08	---	20.46	9.79	10.67	No	<47	<50	<470	---	2.0	<0.50	<0.50	<0.50	<0.50	---
MW6G	06/26/08	---	20.46	11.43	9.03	No	<47	<50	<470	---	1.6	<0.50	<0.50	<0.50	<0.50	---
MW6G	08/12/08	---	20.46	11.94	8.52	No	99.1d,m,n	<50.0	135m	---	1.35	<0.50	<0.50	<0.50	<0.50	---
MW6G	10/23/08	---	20.46	12.34	8.12	No	<50	<50	<250	---	1.4	<0.50	<0.50	<0.50	<1.0	---
MW6G	03/25/09	---	20.46	9.93	10.53	No	<50	<50	<250	---	1.3	<0.50	<0.50	<0.50	<1.0	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6G	06/17/09	---	20.46	---	---	---	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0	---
MW6G	06/17/09	---	20.46	11.11	9.35	No	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0	---
MW6G	09/04/09	---	20.46	11.85	8.61	No	<50	<50	<250	---	1.5	<0.50	<0.50	<0.50	<1.0	---
MW6G	03/09/10	---	20.46	8.94	11.52	No	<50	<50	<250	---	2.0	<0.50	<0.50	<0.50	<1.0	---
MW6G	09/17/10	---	20.46	11.64	8.82	No	<50	<50	<250	---	1.1	<0.50	<0.50	<0.50	<1.0	---
MW6G	02/15/11	---	20.46	10.51	9.95	No	<50	<50	<250	---	1.2	<0.50	<0.50	<0.50	<1.0	---
MW6G	08/23/11	---	20.46	10.98	9.48	No	<50	<50	<250	---	1.9	<0.50	<0.50	<0.50	<1.0	---
MW6G	02/09/12	---	20.46	10.91	9.55	No	<50	<50	<250	---	1.6	<0.50	<0.50	<0.50	<1.0	---
MW6G	07/24/12	---	20.46	11.39	9.07	No	<50	<50	<250	---	1.5	<0.50	<0.50	<0.50	<1.0	510
MW6G	03/08/13	---	20.46	10.62	9.84	No	---	---	---	---	---	---	---	---	---	---
MW6G	03/11/13	---	20.46	---	---	---	<50	<50	<250	---	0.91	<0.50	<0.50	<0.50	<0.50	---
MW6G	09/04/13	---	20.46	11.77	8.69	No	<50	<50	<250	---	0.78	<0.50	<0.50	<0.50	<0.50	---
MW6G	12/11/13 b	---	20.46	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6G	01/30/14	---	20.46	11.97	8.49	No	83d	<50	<240	---	0.61	<0.50	<0.50	<0.50	<0.50	---
MW6G	**08/28/14**	**---**	**20.46**	**12.05**	**8.41**	**No**	**<50**	**<50**	**<250**	**---**	**1.1**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6H	11/16/88	---	Well installed.													
MW6H	12/07/88	---	97.93i	---	---	---	---	---	---	---	---	1,200	320	110	220	---
MW6H	12/15/88	---	97.93i	12.36	85.57i	---	---	---	---	---	---	---	---	---	---	---
MW6H	09/07/89	---	97.93i	---	---	---	---	660	---	---	---	480	<10	16	<15	---
MW6H	04/30/90	---	97.93i	12.10	85.83i	---	---	630	---	---	---	700	39	31	50	---
MW6H	10/16/90	---	97.93i	12.18	85.75i	---	---	---	---	---	---	---	---	---	---	---
MW6H	12/06/90	---	97.93i	12.29	85.64i	---	---	---	---	---	---	---	---	---	---	---
MW6H	01/14/91	---	97.93i	12.22	85.71i	---	---	---	---	---	---	---	---	---	---	---
MW6H	02/08/91	---	97.93i	11.93	86.00i	---	---	---	---	---	---	---	---	---	---	---
MW6H	04/02/91	---	97.93i	11.59	86.34i	---	---	---	---	---	---	---	---	---	---	---
MW6H	05/07/91	---	97.93i	12.24	85.69i	---	---	570	---	---	---	95	14	15	21	---
MW6H	05/31/91	---	97.93i	12.22	85.71i	---	---	---	---	---	---	---	---	---	---	---
MW6H	06/26/91	---	97.93i	14.34	83.59i	---	---	---	---	---	---	---	---	---	---	---
MW6H	08/05/91	---	97.93i	12.62	85.31i	---	---	---	---	---	---	---	---	---	---	---
MW6H	08/14/91	---	97.93i	12.43	85.50i	---	---	540	---	---	---	52	9.9	11	18	---
MW6H	09/11/91	---	97.93i	12.83	85.10i	---	---	---	---	---	---	---	---	---	---	---
MW6H	10/16/91	---	97.93i	12.71	85.22i	---	---	---	---	---	---	---	---	---	---	---
MW6H	12/30/91	---	97.93i	12.16	85.77i	---	---	---	---	---	---	---	---	---	---	---
MW6H	12/31/91	---	97.93i	---	---	---	---	790	---	---	---	52	28	22	42	---
MW6H	02/25/92	---	97.93i	12.17	85.76i	---	---	---	---	---	---	---	---	---	---	---
MW6H	03/25/92	---	97.93i	11.65	86.28i	---	---	920	---	---	---	170	52	25	54	---
MW6H	06/16/92	---	14.47	12.12	2.35	---	---	460	---	---	---	31	11	6.8	16	---
MW6H	09/08/92	---	14.47	12.30	2.17	No	---	780	---	---	---	69	23	17	18	---
MW6H	11/05/92	---	14.47	12.05	2.42	No	---	3,400	---	---	---	500	260	85	160	---
MW6H	12/14/92	---	14.47	11.65	2.82	No	---	---	---	---	---	---	---	---	---	---
MW6H	01/28/93	---	14.47	11.57	2.90	No	---	---	---	---	---	---	---	---	---	---
MW6H	02/11/93	---	14.47	12.22	2.25	No	---	2,500	---	---	---	410	170	28	130	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6H	03/09/93	---	14.47	12.02	2.45	No	---	---	---	---	---	---	---	---	---	---
MW6H	04/14/93	---	14.47	12.02	2.45	No	---	---	---	---	---	---	---	---	---	---
MW6H	05/11/93	---	14.47	12.35	2.12	No	---	4,200	---	---	---	490	270	80	210	---
MW6H	06/17/93	---	14.47	12.22	2.25	No	---	---	---	---	---	---	---	---	---	---
MW6H	07/26/93	---	14.47	12.32	2.15	No	---	---	---	---	---	---	---	---	---	---
MW6H	08/10/93	---	14.47	12.30	2.17	No	---	650	---	---	---	83	22	14	29	---
MW6H	09/21/93	---	14.47	12.79	1.68	No	---	---	---	---	---	---	---	---	---	---
MW6H	10/27/93	---	14.47	13.93	0.54	No	---	1,600	---	---	---	130	90	29	130	---
MW6H	11/23/93	---	14.47	12.46	2.01	No	---	---	---	---	---	---	---	---	---	---
MW6H	12/17/93	---	14.47	12.08	2.39	No	---	---	---	---	---	---	---	---	---	---
MW6H	02/16/94	---	14.47	12.31	2.16	No	---	<50	---	---	---	<0.5	<0.5	<0.5	2.9	---
MW6H	05/31/94	---	14.47	12.46	2.01	No	---	1,800	---	---	---	370	220	65	210	---
MW6H	08/30/94	---	16.58j	12.72	3.86	No	---	1,900	---	---	---	130	90	19	86	---
MW6H	11/11/94	---	16.58j	11.98	4.60	No	---	13,000	---	---	---	1,700	1,400	260	1,800	---
MW6H	02/27/95	---	16.58j	11.89	4.69	No	---	320	---	---	---	450	120	28	79	---
MW6H	05/30/95	---	16.58j	12.05	4.53	No	---	2,300	---	---	---	960	260	64	200	---
MW6H	08/30/95	---	16.58j	12.34	4.24	No	---	2,100	---	50	---	590	35	24	74	---
MW6H	11/26/96	---	16.58j	11.87	4.71	No	---	1,200	---	<30	---	320	110	22	85	---
MW6H	02/27/97	---	16.58j	11.58	5.00	No	---	1,800	---	<200	---	760	31	8.4	44	---
MW6H	05/21/97	---	16.58j	12.23	4.35	No	---	1,100	---	81	---	640	18	5.4	45	---
MW6H	08/18/97	---	16.58j	12.29	4.29	No	---	870	---	26	---	200	3.6	2.4	7.4	---
MW6H	03/13/98	---	20.47	11.44	9.03	No	---	5,300	---	<125	---	1,900	720	100	470	---
MW6H	04/20/98	---	20.47	11.58	8.89	No	---	6,000	---	2,700	---	1,500	600	91	440	---
MW6H	07/21/98	---	20.47	11.97	8.50	No	---	2,200	---	1,600	---	740	44	15	63	---
MW6H	10/06/98	---	20.47	12.23	8.24	No	---	5,400	---	3,000	---	1,900	<25	<25	76	---
MW6H	01/11/99	---	20.47	12.17	8.30	No	---	2,600	---	4,300	---	1,200	<12	<12	20	---
MW6H	04/08/99	---	20.47	11.56	8.91	No	---	13,000	---	13,000	---	3,400	1,300	260	1,200	---
MW6H	07/19/99	---	20.47	11.71	8.76	No	---	<2,000	---	6,920	8,520	732	<20	<20	<20	---
MW6H	07/27/99	---	20.47	12.39	8.08	No	---	---	---	---	---	---	---	---	---	---
MW6H	10/25/99	---	20.47	12.16	8.31	No	---	700	---	4,000	---	360	1.1	0.68	2	---
MW6H	01/27/00	---	20.47	11.60	8.87	No	---	9,100	---	7,600	---	2,400	840	150	670	---
MW6H	04/03/00	---	20.47	11.62	8.85	No	---	12,000	---	8,800	---	2,800	1,100	230	1,020	---
MW6H	07/05/00	---	20.47	11.93	8.54	No	---	12,000	---	8,000	---	1,200	56	13	92	---
MW6H	10/04/00	---	20.47	12.16	8.31	No	---	4,400	---	8,400	---	1,500	23	12	80.6	---
MW6H	10/05/00	---	20.47	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6H	01/04/01	---	20.47	12.03	8.44	No	---	2,300	---	3,800	---	880	15	6.4	33.9	---
MW6H	04/03/01	---	20.47	11.73	8.74	No	---	7,800	---	5,100	---	2,000	730	140	590	---
MW6H	07/05/01	---	20.47	11.98	8.49	No	---	2,300	---	3,200	---	630	25	10	40.8	---
MW6H	10/03/01	---	20.47	12.1	8.37	No	---	1,400	---	550	---	270	5.6	4.2	11.6	---
MW6H	Oct-01	---	20.20	Well surveyed in compliance with AB 2886 requirements.												
MW6H	01/02/02	---	20.20	11.14	9.06	No	---	47,100	---	4,260	---	7,880	5,220	1,060	4,460	---
MW6H	04/02/02	---	20.20	11.68	8.52	No	---	17,500	<500	1,590	---	2,280	1,290	282	1,090	---
MW6H	07/01/02	---	20.20	11.97	8.23	No	---	5,370	<100a	1,910	---	1,170	200	44.0	158	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6H	10/02/02	---	20.20	12.20	8.00	No	---	2,570	<100	899	---	655	13.0	8.0	25.0	---
MW6H	01/07/03	---	20.20	11.58	8.62	No	---	12,500	<50	1,700	2,500	2,480	1,340	250	1,120	---
MW6H	06/17/03	---	20.20	11.82	8.38	No	---	6,330	<100	1,490	1,660	604	104	44.0	152	---
MW6H	07/16/03	---	20.20	12.89	7.31	No	---	3,170	<100	1,270	1,170	614	20.0	9.5	31.8	---
MW6H	10/07/03	---	20.20	12.10	8.10	No	---	2,090	<100	612	640	433	11.6	6.7	22.5	---
MW6H	01/14/04	---	20.20	11.55	8.65	No	390	6,320	<100	59.0	1,250	1,340	517	117	515	---
MW6H	06/03/04	---	20.20	11.92	8.28	No	---	3,330	<100	604	632	546	128	38.4	140	---
MW6H	08/12/04	---	20.20	c	c	c	174c	1,920c	<100c	---	426c	330c	17.9c	9.3c	35.3c	---
MW6H	11/04/04	---	20.20	11.86	8.34	No	578	8,090	552	---	442	1,280	620	185	822	---
MW6H	02/01/05	---	20.20	11.55	8.65	No	616	9,500	193	---	335	1,360	764	214	844	---
MW6H	05/03/05	---	20.20	11.54	8.66	No	560d	9,120	168	---	323	1,320	886	245	928	---
MW6H	08/04/05	---	20.20	11.89	8.31	No	269d	1,810	143	---	268	349	57.0	20.1	70.0	---
MW6H	10/27/05	---	20.20	12.10	8.10	No	228	942	98.5	---	164	154	23.1f	6.09	23.2	---
MW6H	01/26/06	---	20.20	11.54	8.66	No	910d	20,000	<500	---	270	3,200	3,400	660	3,100	---
MW6H	04/28/06	---	20.20	11.29	8.91	No	550d	11,000	<470	---	160	2,000	1,500	380	1,600	---
MW6H	07/05/06	---	20.20	11.90	8.30	No	273	2,360	114	---	82.9	389	111	39.5	125	---
MW6H	10/27/06	---	20.20	12.08	8.12	No	120d	1,460	<470	---	69.4	215	27.9	16.2	43.4	---
MW6H	01/19/07	---	20.20	11.81	8.39	No	290d	4,950	<470	---	77.5	831	638	129	451	---
MW6H	04/24/07	---	20.20	11.52	8.68	No	997d	13,800	140	---	90.5	1,330	1,420	357	1,360	---
MW6H	07/24/07	---	20.20	11.90	8.30	No	150d	1,600	<470	---	56	300	110	29	100	---
MW6H	12/03/07	---	20.20	12.03	8.17	No	140d,l	1,800	<470	---	51	420	14	8.3	33	---
MW6H	03/06/08	---	20.20	11.81	8.39	No	280d	4,400	<470	---	48	630	540	130	460	---
MW6H	06/26/08	---	20.20	12.41	7.79	No	320d	3,700	<470	---	40	930	100	130	550	---
MW6H	08/12/08	---	20.20	12.40	7.80	No	740d,m,n	5,010	294m	---	29.8	684	354	114	466	---
MW6H	10/23/08	---	20.20	12.47	7.73	No	---	---	---	---	---	---	---	---	---	---
MW6H	10/30/08	---	20.20	---	---	---	<50	2,100	<250	---	23	270	64	35	120	---
MW6H	03/25/09	---	20.20	11.41	8.79	No	770	14,000	<250	---	<50	2,000	1,700	620	2,300	---
MW6H	06/17/09	---	20.20	---	---	---	720	6000	<250	---	<50	2000	420	280	930	---
MW6H	06/17/09	---	20.20	11.82	8.38	No	720	6,000	<250	---	<50	2,000	420	280	930	---
MW6H	09/04/09	---	20.20	12.18	8.02	No	390d	3,700	<250	---	23	660	53	59	180	---
MW6H	03/09/10	---	20.20	10.72	9.48	No	4,400d	16,000	<250	---	26	2,600	1,400	830	2,800	---
MW6H	09/17/10	---	20.20	12.09	8.11	No	280d	2,200	<250	---	18	660	86	60	170	---
MW6H	02/15/11	---	20.20	11.28	8.92	No	740d	5,800d	<250	---	10	1,600	630	250	980	---
MW6H	08/23/11	---	20.20	11.56	8.64	No	780d	6,500	<250	---	16	1,600	200	150	380	---
MW6H	02/09/12	---	20.20	11.58	8.62	No	750d	7,300	<250	---	19s	1,200	520	280	770	---
MW6H	07/24/12	---	20.20	11.93	8.27	No	700d	6,400	<250	---	<20	1,600	500	320	960	485
MW6H	03/08/13	---	20.20	11.36	8.84	No	---	---	---	---	---	---	---	---	---	---
MW6H	03/11/13	---	20.20	---	---	---	420d	3,900	<250	---	<20	610	140	82	290	---
MW6H	09/04/13	---	20.20	11.96	8.24	No	380d	2,700	<250	---	<10	350	39	26	80	---
MW6H	12/11/13 b	---	20.20	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6H	01/30/14	---	20.20	12.22	7.98	No	800d	3,800	1,500d	---	15	640	69	100	280	---
MW6H	**08/28/14**	**---**	**20.20**	**12.11**	**8.09**	**No**	**400d**	**2,200**	**<250**	**---**	**<10**	**410**	**37**	**45**	**130**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6I	11/17/88	---	Well installed.													
MW6I	12/07/88	---	97.60i	---	---	---	---	ND	---	---	---	<0.5	<1	<2	<1	---
MW6I	12/15/88	---	97.60i	12.83	84.77i	---	---	---	---	---	---	---	---	---	---	---
MW6I	09/07/89	---	97.60i	---	---	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6I	04/30/90	---	97.60i	12.66	84.94i	---	---	ND	---	---	---	ND	ND	ND	ND	---
MW6I	10/16/90	---	97.60i	12.71	84.89i	---	---	---	---	---	---	---	---	---	---	---
MW6I	12/06/90	---	97.60i	12.75	84.85i	---	---	---	---	---	---	---	---	---	---	---
MW6I	01/14/91	---	97.60i	12.55	85.05i	---	---	---	---	---	---	---	---	---	---	---
MW6I	02/08/91	---	97.60i	12.32	85.28i	---	---	---	---	---	---	---	---	---	---	---
MW6I	04/02/91	---	97.60i	12.22	85.38i	---	---	---	---	---	---	---	---	---	---	---
MW6I	05/07/91	---	97.60i	12.61	84.99i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	05/31/91	---	97.60i	12.82	84.78i	---	---	---	---	---	---	---	---	---	---	---
MW6I	06/26/91	---	97.60i	12.93	84.67i	---	---	---	---	---	---	---	---	---	---	---
MW6I	08/05/91	---	97.60i	13.01	84.59i	---	---	---	---	---	---	---	---	---	---	---
MW6I	08/14/91	---	97.60i	12.98	84.62i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	09/11/91	---	97.60i	13.11	84.49i	---	---	---	---	---	---	---	---	---	---	---
MW6I	10/16/91	---	97.60i	13.04	84.56i	---	---	---	---	---	---	---	---	---	---	---
MW6I	12/30/91	---	97.60i	12.72	84.88i	---	---	---	---	---	---	---	---	---	---	---
MW6I	12/31/91	---	97.60i	---	---	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	02/25/92	---	97.60i	12.45	85.15i	---	---	---	---	---	---	---	---	---	---	---
MW6I	03/25/92	---	97.60i	12.12	85.48i	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	06/16/92	---	14.14	12.75	1.39	---	---	ND	---	---	---	ND	<0.5	<0.5	<0.5	---
MW6I	09/08/92	---	14.14	12.84	1.30	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	11/05/92	---	14.14	12.75	1.39	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	12/14/92	---	14.14	12.40	1.74	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/28/93	---	14.14	12.20	1.94	No	---	---	---	---	---	---	---	---	---	---
MW6I	02/11/93	---	14.14	12.40	1.74	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	03/09/93	---	14.14	12.45	1.69	No	---	---	---	---	---	---	---	---	---	---
MW6I	04/14/93	---	14.14	12.43	1.71	No	---	---	---	---	---	---	---	---	---	---
MW6I	05/11/93	---	14.14	12.73	1.41	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	06/17/93	---	14.14	12.78	1.36	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/26/93	---	14.14	12.92	1.22	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/10/93	---	14.14	12.97	1.17	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	09/21/93	---	14.14	13.02	1.12	No	---	---	---	---	---	---	---	---	---	---
MW6I	10/27/93	---	14.14	13.10	1.04	No	---	<50	---	---	---	<0.5	<0.5	<0.5	1.1	---
MW6I	11/23/93	---	14.14	13.02	1.12	No	---	---	---	---	---	---	---	---	---	---
MW6I	12/17/93	---	14.14	12.65	1.49	No	---	---	---	---	---	---	---	---	---	---
MW6I	02/16/94	---	14.14	12.66	1.48	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	05/31/94	---	14.14	12.90	1.24	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	08/30/94	---	16.26j	13.06	3.20	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	11/11/94	---	16.26j	15.20	1.06	No	---	53	---	---	---	0.62	1.8	<0.5	2.0	---
MW6I	02/27/95	---	16.26j	12.51	3.75	No	---	<50	---	---	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	05/30/95	---	16.26j	12.57	3.69	No	---	69	---	---	---	2.8	0.96	1.1	4.3	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6I	08/30/95	---	16.26j	12.86	3.4	No	---	<50	---	<10	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	11/26/96	---	16.26j	12.45	3.81	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	02/27/97	---	16.26j	12.24	4.02	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	05/21/97	---	16.26j	12.82	3.44	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	08/18/97	---	16.26j	12.81	3.45	No	---	<50	---	<30	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	03/13/98	---	16.26j	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	04/20/98	---	16.26j	12.14	4.12	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	07/21/98	---	20.24	12.59	7.65	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/06/98	---	20.24	12.81	7.43	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/11/99	---	20.24	12.74	7.50	No	---	<50	---	<2.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	04/08/99	---	20.24	11.93	8.31	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/19/99	---	20.24	11.75	8.49	No	---	281	---	17.6	---	35.4	9.1	7.4	30.7	---
MW6I	07/27/99	---	20.24	12.95	7.29	No	---	---	---	---	---	---	---	---	---	---
MW6I	10/25/99	---	20.24	12.79	7.45	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/27/00	---	20.24	12.06	8.18	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	04/03/00	---	20.24	12.24	8.00	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/05/00	---	20.24	12.48	7.76	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/04/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	10/05/00	---	20.24	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
MW6I	01/04/01	---	20.24	12.54	7.70	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	04/03/01	---	20.24	12.32	7.92	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	07/05/01	---	20.24	12.55	7.69	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/01/01	---	19.87	Well surveyed in compliance with AB 2886 requirements.												
MW6I	10/03/01	---	20.24	12.67	7.57	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	01/02/02	---	19.87	10.98	8.89	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6I	04/02/02 b	---	19.87	12.24	7.63	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/01/02	---	19.87	12.51	7.36	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6I	10/02/02 b	---	19.87	12.72	7.15	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/07/03	---	19.87	12.09	7.78	No	---	<50.0	<50	<0.5	1.10	<0.5	<0.5	<0.5	<0.5	---
MW6I	06/17/03 b	---	19.87	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	07/16/03	---	19.87	12.49	7.38	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6I	10/07/03 b	---	19.87	12.64	7.23	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/14/04	---	19.87	12.13	7.74	No	---	<50.0	<100	<0.5	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6I	06/03/04 b	---	19.87	12.56	7.31	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/12/04	---	19.87	c	c	c	99c	<50.0c	155c	---	<0.50c	<0.50c	<0.5c	<0.5c	0.8c	---
MW6I	11/04/04 b	---	19.87	12.33	7.54	No	---	---	---	---	---	---	---	---	---	---
MW6I	02/01/05	---	19.87	12.09	7.78	No	<100	<50.0	<100	---	<0.50	<0.50	<0.5	<0.5	<0.5	---
MW6I	05/03/05 b	---	19.87	12.16	7.71	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/04/05	---	19.87	12.46	7.41	No	54.2d	<50.0	<100	---	<0.500	<0.500	<0.500	<0.500	<0.500	---
MW6I	10/27/05 b	---	19.87	12.58	7.29	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/26/06	---	19.87	12.04	7.83	No	<50	<50	<500	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	04/28/06 b	---	19.87	11.94	7.93	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/05/06	---	19.87	13.06	6.81	No	<47.6	<50.0	<95.2	---	<0.500	<1.00	<1.00	<1.00	<3.00	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6I	10/27/06 b	---	19.87	12.64	7.23	No	---	---	---	---	---	---	---	---	---	---
MW6I	01/19/07	---	19.87	12.41	7.46	No	<47	<50.0	<470	---	<0.500	<0.50	<0.50	<0.50	0.62	---
MW6I	04/24/07 b	---	19.87	12.11	7.76	No	---	---	---	---	---	---	---	---	---	---
MW6I	07/24/07	---	19.87	12.51	7.36	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	12/03/07	---	19.87	12.64	7.23	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	03/06/08	---	19.87	11.97	7.90	No	<47	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	06/26/08 b	---	19.87	12.54	7.33	No	---	---	---	---	---	---	---	---	---	---
MW6I	08/12/08	---	19.87	12.53	7.34	No	81.3d,m,n	<50.0	137m	---	<0.500	<0.50	<0.50	<0.50	<0.50	---
MW6I	10/23/08 b	---	19.87	12.56	7.31	No	---	---	---	---	---	---	---	---	---	---
MW6I	03/25/09	---	19.87	12.14	7.73	No	<50	<50	<250	---	<0.50	1.1	1.1	0.53	2.3	---
MW6I	06/17/09 b	---	19.87	12.43	7.44	No	---	---	---	---	---	---	---	---	---	---
MW6I	09/04/09	---	19.87	12.55	7.32	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	03/09/10	---	19.87	11.82	8.05	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	09/17/10	---	19.87	12.63	7.24	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	02/15/11	---	19.87	12.04	7.83	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
MW6I	08/23/11	---	19.87	12.41	7.46	No	<50	<50	<250	---	<0.50	0.73	<0.50	<0.50	<1.0	---
MW6I	02/09/12	---	19.87	12.33	7.54	No	<50	<50	<250	---	<0.50	<0.50	1.2	0.87o	2.6	---
MW6I	07/24/12	---	19.87	12.51	7.36	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	230
MW6I	03/08/13	---	19.87	12.18	7.69	No	---	---	---	---	---	---	---	---	---	---
MW6I	03/11/13	---	19.87	---	---	---	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	09/04/13	---	19.87	12.10	7.77	No	<50	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	12/11/13 b	---	19.87	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6I	01/30/14	---	19.87	12.66	7.21	No	<48	<50	<240	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
MW6I	**08/28/14**	**---**	**19.87**	**12.53**	**7.34**	**No**	**<50**	**<50**	**<250**	**---**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6J	04/06/01	---	Well installed.													
MW6J	07/05/01	---	20.72	13.47	7.25	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	10/03/01	---	20.72	13.57	7.15	No	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	Oct-01	---	20.75	Well surveyed in compliance with AB 2886 requirements.												
MW6J	01/02/02	---	20.75	13.19	7.56	No	---	<100	---	<0.5	---	<0.50	<0.50	<0.50	<0.50	---
MW6J	04/02/02	---	20.75	13.74	7.01	No	---	<50.0	<100	1.00	---	0.80	<0.50	<0.50	0.80	---
MW6J	07/01/02	---	20.75	13.58	7.17	No	---	<50	<100a	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	10/02/02	---	20.75	13.79	6.96	No	---	<50.0	<100	<0.5	---	<0.5	<0.5	<0.5	<0.5	---
MW6J	01/07/03	---	20.75	13.49	7.26	No	---	<50.0	<50	0.60	1.30	<0.5	<0.5	<0.5	<0.5	---
MW6J	06/17/03	---	20.75	13.76	6.99	No	---	<50.0	<100	3.00	0.70	<0.50	<0.5	<0.5	<0.5	---
MW6J	07/16/03	---	20.75	13.57	7.18	No	---	<50.0	<100	0.70	0.60	<0.50	<0.5	<0.5	<0.5	---
MW6J	10/07/03	---	20.75	13.74	7.01	No	---	<50.0	<100	1.1	1.20	<0.50	<0.5	<0.5	<0.5	---
MW6J	01/14/04	---	20.75	13.46	7.29	No	<50	<50.0	<100	1.8	1.80	<0.50	<0.5	<0.5	<0.5	---
MW6J	06/03/04	---	20.75	13.72	7.03	No	<50	<50.0	<100	5.1	10.3	0.50	<0.5	<0.5	<0.5	---
MW6J	08/12/04	---	20.75	c	c	c	<50c	<50.0c	<100c	---	3.30c	1.40c	2.1c	1.3c	4.6c	---
MW6J	11/04/04	---	20.75	13.68	7.07	No	<50	<50.0	116	---	3.50	0.50	0.5	<0.5	<0.5	---
MW6J	02/01/05	---	20.75	13.47	7.28	No	<100	<50.0	<100	---	5.50	<0.50	<0.5	<0.5	0.6	---
MW6J	05/03/05	---	20.75	13.66	7.09	No	<50	<50.0	<100	---	3.00	0.70	0.9	0.6	0.8	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6J	08/04/05	---	20.75	13.75	7.00	No	55.8d	<50.0	130	---	<0.500	<0.500	<0.500	<0.500	<0.500	---
MW6J	10/27/05	---	20.75	13.71	7.04	No	<50.0	<50.0	<50.0	---	2.48	<0.50	0.94f	<0.50	<0.50	---
MW6J	01/26/06	---	20.75	13.49	7.26	No	<50	<50	<500	---	6.2	<0.50	<0.50	<0.50	<0.50	---
MW6J	04/28/06	---	20.75	13.56	7.19	No	<47	<50	<470	---	7.2	<0.50	<0.50	<0.50	<0.50	---
MW6J	07/05/06	---	20.75	13.75	7.00	No	<47.6	<50.0	<95.2	---	7.73	<1.00	<1.00	<1.00	<3.00	---
MW6J	10/27/06	---	20.75	13.66	7.09	No	<47	67.7	<470	---	9.15	<0.50	<0.50	<0.50	<0.50	---
MW6J	01/19/07	---	20.75	13.51	7.24	No	<47	<50.0	<470	---	12.1	<0.50	<0.50	<0.50	<0.50	---
MW6J	04/24/07	---	20.75	13.76	6.99	No	<47.6	<50.0	<47.6	---	12.8	<0.50	<0.50	<0.50	<0.50	---
MW6J	07/24/07	---	20.75	14.01	6.74	No	<47	<50	<470	---	16	<0.50	<0.50	<0.50	<0.50	---
MW6J	12/03/07	---	20.75	13.71	7.04	No	<47	<50	<470	---	29	<0.50	<0.50	<0.50	<0.50	---
MW6J	03/06/08	---	20.75	Well inaccessible due to encroachment permit restrictions.												
MW6J	06/26/08	---	20.75	Well inaccessible due to encroachment permit restrictions.												
MW6J	08/12/08	---	20.75	Well inaccessible due to encroachment permit restrictions.												
MW6J	10/23/08	---	20.75	13.40	7.35	No	<50	<50	<250	---	10	<0.50	<0.50	<0.50	<1.0	---
MW6J	03/25/09	---	20.75	13.19	7.56	No	<50	<50	<250	---	8.7	<0.50	<0.50	<0.50	1.4	---
MW6J	06/17/09	---	20.75	---	---	---	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0	---
MW6J	06/17/09	---	20.75	13.69	7.06	No	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0	---
MW6J	09/04/09	---	20.75	13.31	7.44	No	<50	<50	<250	---	16	<0.50	<0.50	<0.50	<1.0	---
MW6J	03/09/10	---	20.75	12.84	7.91	No	<50	<50	<250	---	12	<0.50	<0.50	<0.50	<1.0	---
MW6J	09/17/10	---	20.75	13.27	7.48	No	<50	<50	<250	---	15	<0.50	<0.50	<0.50	<1.0	---
MW6J	02/15/11	---	20.75	12.80	7.95	No	<50	<50	<250	---	6.7	0.73	<0.50	<0.50	<1.0	---
MW6J	08/23/11	---	20.75	13.18	7.57	No	<50	<50	<250	---	5.1	<0.50	<0.50	<0.50	<1.0	---
MW6J	02/09/12	---	20.75	13.17	7.58	No	<50	<50	<250	---	5.3	0.71	3.0	2.1	6.1	---
MW6J	07/24/12	---	20.75	13.61	7.14	No	<54	<50	<270	---	14	<0.50	<0.50	<0.50	<1.0	405
MW6J	03/08/13 t	---	20.75	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6J	09/04/13	---	20.75	13.26	7.49	No	<50	<50	<250	---	19	<0.50	<0.50	<0.50	<0.50	---
MW6J	12/11/13 b	---	20.75	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6J	01/30/14	---	20.75	13.39	7.36	No	48d	<50	<240	---	8.4	<0.50	<0.50	<0.50	<0.50	---
MW6J	**08/28/14**	**---**	**20.75**	**13.35**	**7.40**	**No**	**<50**	**<50**	**<250**	**---**	**6.9**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
MW6Ka	06/13/13	---	Well installed.													
MW6Ka	06/17/13	---	---	12.08	---	No	---	---	---	---	---	---	---	---	---	---
MW6Ka	06/21/13	---	Well surveyed.													
MW6Ka	06/21/13 v	---	21.04	12.11u	---	No	---	---	---	---	---	---	---	---	---	---
MW6Ka	09/04/13 v	---	21.04	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6Ka	12/11/13 v	---	21.04	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6Ka	01/30/14 v	---	21.04	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6Ka	**08/28/14 v**	**---**	**21.04**	**Dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Kb	06/13/13	---	Well installed.													
MW6Kb	06/17/13	---	---	11.85	---	No	---	---	---	---	---	---	---	---	---	---
MW6Kb	06/21/13	---	Well surveyed.													
MW6Kb	06/21/13	---	20.81	11.88	8.93	No	1,900d	9,700	<250		36	630	430	480	1,500	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
MW6Kb	09/04/13	---	20.81	12.20	8.61	No	720d	2,800d	<250	---	17	140	14	98	30	---
MW6Kb	12/11/13	---	20.81	12.28	8.53	No	<48	1,500	<240	---	19	220	14	42	20	---
MW6Kb	01/30/14	---	20.81	12.51	8.30	No	270d	450	<240	---	1.3	11	7.4	11	66	---
MW6Kb	**08/28/14**	**---**	**20.81**	**12.55**	**8.26**	**No**	**330d**	**570d**	**<250**	**---**	**18**	**38**	**1.6**	**3.0**	**2.1**	**---**
MW6La	06/12/13	---	Well installed.													
MW6La	06/17/13	---	---	12.17	---	No	---	---	---	---	---	---	---	---	---	---
MW6La	06/21/13	---	Well surveyed.													
MW6La	06/21/13 v	---	21.18	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6La	09/04/13 v	---	21.18	12.27u	u	No	---	---	---	---	---	---	---	---	---	---
MW6La	12/11/13 v	---	21.18	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6La	01/30/14 v	---	21.18	Dry	---	---	---	---	---	---	---	---	---	---	---	---
MW6La	**08/28/14 v**	**---**	**21.18**	**Dry**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Lb	06/12/13	---	Well installed.													
MW6Lb	06/17/13	---	---	12.37	---	No	---	---	---	---	---	---	---	---	---	---
MW6Lb	06/21/13	---	Well surveyed.													
MW6Lb	06/21/13	---	21.19	12.40	8.79	No	1,200d	5,400	<250		6.0	290	190	140	610	---
MW6Lb	09/04/13	---	21.19	12.76	8.43	No	490d	2,600	<250	---	6.6	310	19	36	46	---
MW6Lb	12/11/13	---	21.19	12.77	8.42	No	<48	2,000	<2,400	---	7.1	550	17	17	20	---
MW6Lb	01/30/14	---	21.19	13.01	8.18	No	420d	620	<240	---	2.9	49	27	53	110	---
MW6Lb	**08/28/14**	**---**	**21.19**	**13.05**	**8.14**	**No**	**110d**	**260d**	**<250**	**---**	**5.6**	**12**	**<0.50**	**<0.50**	**1.8**	**---**
RW1	05/10/90	---	97.89i	Well installed.												
RW1	10/16/90	---	97.89i	12.24	85.65i	---	---	---	---	---	---	---	---	---	---	---
RW1	01/14/91	---	97.89i	12.80	85.09i	---	---	---	---	---	---	---	---	---	---	---
RW1	02/08/91	---	97.89i	12.53	85.36i	---	---	---	---	---	---	---	---	---	---	---
RW1	05/31/91	---	97.89i	12.86	85.03i	---	---	---	---	---	---	---	---	---	---	---
RW1	08/05/91	---	97.89i	13.19	84.70i	---	---	---	---	---	---	---	---	---	---	---
RW1	08/13/91	---	97.89i	14.05	83.84i	---	---	---	---	---	---	---	---	---	---	---
RW1	09/11/91	---	97.89i	15.96	81.93i	---	---	---	---	---	---	---	---	---	---	---
RW1	10/16/91	---	97.89i	16.00	81.89i	---	---	---	---	---	---	---	---	---	---	---
RW1	12/30/91	---	97.89i	12.65	85.24i	---	---	---	---	---	---	---	---	---	---	---
RW1	02/25/92	---	97.89i	14.40	83.49i	---	---	---	---	---	---	---	---	---	---	---
RW1	03/25/92	---	97.89i	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	06/16/92	---	14.42	12.37	2.05	---	---	6,200	---	---	---	620	1,400	240	1,400	---
RW1	09/08/92	---	Not monitored or sampled.													
RW1	08/30/94	---	16.79j	Well resurveyed.												
RW1	08/31/94 - 10/16/98	---	Not monitored or sampled.													
RW1	01/11/99	---	20.24	12.37	7.87	No	---	---	---	---	---	---	---	---	---	---
RW1	04/08/99	---	20.24	10.41	9.83	No	---	---	---	---	---	---	---	---	---	---
RW1	07/19/99	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	07/27/99	---	20.24	12.76	7.48	No	---	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW1	10/25/99	---	20.24	12.50	7.74	No	---	---	---	---	---	---	---	---	---	---
RW1	01/27/00	---	20.24	12.11	8.13	No	---	---	---	---	---	---	---	---	---	---
RW1	04/03/00	---	20.24	12.07	8.17	No	---	---	---	---	---	---	---	---	---	---
RW1	07/05/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	10/04/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	10/05/00	---	20.24	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	01/04/01	---	20.24	13.90	6.34	No	---	8,000	---	2,500	---	1,200	65	250	258	---
RW1	04/03/01	---	20.24	11.92	8.32	No	---	4,100	---	610	---	62	<2.5	18	61	---
RW1	07/05/01	---	20.24	Well inaccessible.												
RW1	10/03/01	---	20.24	12.32	8.32	No	---	11,000	---	4,100	---	1,900	780	150	700	---
RW1	Oct-01	---	20.43	Well surveyed in compliance with AB 2886 requirements.												
RW1	01/02/02	---	20.43	10.85	9.58	No	---	32,000	---	7,760	---	358	2,270	894	4,820	---
RW1	04/02/02	---	20.43	11.72	8.71	No	---	4,220	<500	922	---	172	22.5	106	340	---
RW1	07/01/02	---	20.43	12.17	8.26	No	---	2,500	<100a	986	---	176	8.0	71.0	75.0	---
RW1	10/02/02	---	20.43	12.44	7.99	No	---	2,970	1,720	1,310	---	197	11.0	70.0	69.0	---
RW1	01/07/03	---	20.43	11.64	8.79	No	---	2,210	1,340	747	1,010	134	12.0	33.0	53.0	---
RW1	06/17/03	---	20.43	11.98	8.45	No	---	3,850	316	645	847	48.9	38.7	46.1	197	---
RW1	07/16/03	---	20.43	12.11	8.32	No	---	2,640	2,080	730	615	78.5	20.0	47.5	166	---
RW1	10/07/03	---	20.43	12.35	8.08	No	1,340	2,310	1,040	744	578	118	7.6	25.1	52.1	---
RW1	01/14/04	---	20.43	11.61	8.82	No	4,240	4,230	5,640	7.8	328	52.7	65.8	42.7	543	---
RW1	06/03/04	---	20.43	12.12	8.31	No	---	2,910	1,840	234	250	79.9	6.0	28.6	67.2	---
RW1	08/12/04	---	20.43	c	c	c	---	1,980c	164c	---	107c	146c	5.7c	18.1c	10.9c	---
RW1	11/04/04	---	20.43	12.06	8.37	No	2,570	127,000	1,790	---	386	130	5,150	4,020	24,300	---
RW1	02/01/05	---	20.43	11.55	8.88	No	3,530	2,880	4,680	---	78.7	25.3	13.3	49.3	258	---
RW1	05/03/05	---	20.43	11.58	8.85	No	6,830d,e	2,490	14,600	---	91.3	33.8	18.4	17.3	97.7	---
RW1	08/04/05	---	20.43	12.10	8.33	No	2,430d	3,080	3,410	---	49.6	193	20.4	48.2	117	---
RW1	10/27/05	---	20.43	12.32	8.11	No	1,970	348	2,960	---	36.3	9.40	1.99f	2.22	5.36	---
RW1	01/26/06	---	20.43	11.55	8.88	No	5,000d	640	<10,000	---	72	13	7.5	1.8	5.2	---
RW1	04/28/06	---	20.43	11.23	9.20	No	950d	810	1,500	---	30	18	12	4.9	19	---
RW1	07/05/06	---	20.43	11.96	8.47	No	687	1,020	886	---	40.0	25.0	4.77	4.67	11.4	---
RW1	10/27/06	---	20.43	12.31	8.12	No	550d	937	600	---	45.4	21.1	4.82	5.37	8.14	---
RW1	01/19/07	---	20.43	11.96	8.47	No	2,500d	1,070	2,500	---	33.4	21.9	2.22	3.40	6.99	---
RW1	04/24/07	---	20.43	11.61	8.82	No	k	806	k	---	28.0	20.9	2.77	2.81	5.46	---
RW1	07/24/07	---	20.43	12.20	8.23	No	2,100d	510	3,500d	---	17	18	1.8	0.92	2.0	---
RW1	12/03/07	---	20.43	12.30	8.13	No	1,100d,l	400	1,700d	---	12	18	1.4	1.6	1.8	---
RW1	03/06/08	---	20.43	11.62	8.81	No	380d	490	480	---	22	18	1.6	<1.0	1.7	---
RW1	06/26/08	---	20.43	12.52	7.91	No	1,100d	560	1,800d	---	20	51	3.1	2.0	4.2	---
RW1	08/12/08	---	20.43	12.51	7.92	No	6,500d,e,m,r	1,720	20,400m	---	16.8	391	29.7	29.7	52.5	---
RW1	10/23/08	---	20.43	12.68	7.75	No	---	---	---	---	---	---	---	---	---	---
RW1	10/30/08	---	20.43	---	---	---	930	2,500	1,200	---	18	21	7.9	11	15	---
RW1	03/25/09	---	20.43	11.45	8.98	No	2,400	1,100	1,800	---	21	45	2.9	<2.5	<5.0	---
RW1	06/17/09	---	20.43	---	---	---	390	2000	<250	---	30	62	<0.50	3.4	5.6	---
RW1	06/17/09	---	20.43	11.97	8.46	No	390	2,000	<250	---	30	62	<0.50	3.4	5.6	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW1	09/04/09	---	20.43	12.37	8.06	No	710d	1,300	750	---	22	16	3.1	0.75	<1.0	---
RW1	03/09/10	---	20.43	10.69	9.74	No	630d	1,800	340	---	23	85	4.4	5.9	8.8	---
RW1	09/17/10	---	20.43	12.29	8.14	No	400d	670d	<250	---	17	48	2.9	2.6	4.0	---
RW1	02/15/11	---	20.43	11.29	9.14	No	350d	1,300d	<250	---	12	47	4.5	3.2	8.7	---
RW1	08/23/11	---	20.43	11.86	8.57	No	460d	1,100d	300	---	9.0	13	1.8	2.4	4.3	---
RW1	02/09/12	---	20.43	11.68	8.75	No	1,200d	1,400d	1,300	---	7.2s	34	6.7	3.4	10	---
RW1	07/24/12	---	20.43	12.04	8.39	No	1,700d	1,800	2,100d	---	6.4	13	<0.50	<0.50	<1.0	510
RW1	03/08/13	---	20.43	11.57	8.86	No	---	---	---	---	---	---	---	---	---	---
RW1	03/11/13	---	20.43	---	---	---	300d	1,500	<250	---	5.5	46	6.0	5.7	13	---
RW1	09/04/13	---	20.43	12.18	8.25	No	550d	1,500d	350d	---	4.7	54	4.1	1.7	5.4	---
RW1	12/11/13 b	---	20.43	---	---	---	---	---	---	---	---	---	---	---	---	---
RW1	01/30/14	---	20.43	12.43	8.00	No	860d	960	620d	---	3.6	34	1.5	<0.50	1.2	---
RW1	**08/28/14**	**---**	**20.43**	**12.34**	**8.09**	**No**	**430d**	**2,700**	**<250**	**---**	**3.4**	**52**	**<0.50**	**<0.50**	**<0.50**	**---**
RW2	10/16/90	---	98.11i	12.77	85.34i	---	---	---	---	---	---	---	---	---	---	---
RW2	02/08/91	---	98.11i	13.11	85.00i	---	---	---	---	---	---	---	---	---	---	---
RW2	04/02/91	---	98.11i	11.70	86.41i	---	---	---	---	---	---	---	---	---	---	---
RW2	05/07/91	---	98.11i	14.09	84.02i	---	---	11,000	---	---	---	3,200	480	150	780	---
RW2	05/31/91	---	98.11i	16.01	82.10i	---	---	---	---	---	---	---	---	---	---	---
RW2	06/26/91	---	98.11i	14.60	83.51i	---	---	---	---	---	---	---	---	---	---	---
RW2	08/05/91	---	98.11i	14.00	84.11i	---	---	---	---	---	---	---	---	---	---	---
RW2	08/13/91	---	98.11i	21.30	76.81i	---	---	---	---	---	---	---	---	---	---	---
RW2	09/11/91	---	98.11i	19.97	78.14i	---	---	---	---	---	---	---	---	---	---	---
RW2	10/16/91	---	98.11i	15.19	82.92i	---	---	---	---	---	---	---	---	---	---	---
RW2	12/30/91	---	98.11i	13.19	84.92i	---	---	---	---	---	---	---	---	---	---	---
RW2	02/25/92	---	98.11i	16.27	81.84i	---	---	---	---	---	---	---	---	---	---	---
RW2	03/25/92	---	98.11i	---	---	---	---	---	---	---	---	---	---	---	---	---
RW2	06/16/92	---	14.61	12.86	1.75	---	---	28,000	---	---	---	2,900	1,000	120	2,700	---
RW2	09/08/92 - 05/31/94	---	Not monitored or sampled.													
RW2	08/30/94	---	17.02j	Well resurveyed.												
RW2	08/31/94 - 04/20/98	---	Not monitored or sampled.													
RW2	07/21/98	---	20.44	12.65	7.79	No	---	3,500	---	170	---	240	100	41	96	---
RW2	10/06/98	---	20.44	13.06	7.38	No	---	3,200	---	200	---	120	48	56	120	---
RW2	01/11/99	---	20.44	12.88	7.56	No	---	3,300	---	350	---	150	17	35	40	---
RW2	04/08/99	---	20.44	11.76	8.68	sheen	---	---	---	---	---	---	---	---	---	---
RW2	07/19/99	---	20.44	11.61	8.83	No	---	1,980	---	160	499	44	4.16	22.3	11.6	---
RW2	07/27/99	---	20.44	13.26	7.18	No	---	---	---	---	---	---	---	---	---	---
RW2	10/25/99	---	20.44	12.96	7.48	No	---	1,800	---	440	---	51	<0.5	4.7	9.5	---
RW2	01/27/00	---	20.44	12.70	7.74	No	---	1,900	---	750	---	38	<2.5	4.8	10.4	---
RW2	04/03/00	---	20.44	11.97	8.47	No	---	2,100	---	300	---	28	2.4	1.4	0.73	---
RW2	07/05/00	---	20.44	12.50	7.94	No	---	2,300	---	230	---	20	<2.5	5.3	8	---
RW2	10/04/00	---	20.44	12.97	7.47	No	---	1,300	---	570	---	42	<2.5	15	17.7	---
RW2	10/05/00	---	20.44	---	---	---	---	---	<1,000	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW2	01/04/01	---	20.44	13.71	6.73	No	---	1,000	---	380	---	33	<2.5	13	17.7	---
RW2	04/03/01	---	20.44	12.10	8.34	No	---	1,300	---	99	---	18	2.1	16	19.4	---
RW2	07/05/01	---	20.44	Well inaccessible.			---	---	---	---	---	---	---	---	---	---
RW2	10/03/01	---	20.44	12.8	7.64	No	---	1,900	---	240	---	35	4.4	34	105	---
RW2	Oct-01	---	20.64	Well surveyed in compliance with AB 2886 requirements.												
RW2	01/02/02	---	20.64	10.22	10.42	No	---	2,440	---	76.0	---	24.4	6.20	26.2	83.0	---
RW2	04/02/02	---	20.64	12.02	8.62	No	---	1,460	260	47.5	---	8.60	3.30	5.30	29.1	---
RW2	07/01/02	---	20.64	12.51	8.13	No	---	1,380	<100a	39.9	---	11.0	1.8	17.9	45.0	---
RW2	10/02/02	---	20.64	12.91	7.73	No	---	720	<100	46.9	---	5.5	1.7	3.7	11.9	---
RW2	01/07/03	---	20.64	11.61	9.03	No	---	1,180	197	48.0	56.0	12.3	3.6	12.2	25.6	---
RW2	06/17/03	---	20.64	12.32	8.32	No	---	1,070	<100	29.7	26.4	13.9	4.4	11.8	16.9	---
RW2	07/16/03	---	20.64	12.51	8.13	No	---	1,200	295	32.9	19.3	6.60	4.1	10.9	12.3	---
RW2	10/07/03	---	20.64	12.81	7.83	No	332	1,170	<100	55.0	50.2	8.70	1.1	9.3	12.2	---
RW2	01/14/04	---	20.64	11.70	8.94	No	167	1,250	<100	8.4	128	18.0	4.4	8.6	10.7	---
RW2	06/03/04	---	20.64	12.93	7.71	No	---	1,100	1,310	17.0	10.9	6.70	1.3	4.0	11.5	---
RW2	08/12/04	---	20.64	c	c	c	438c	1,110c	521c	---	32.8c	7.00c	1.5c	3.1c	10.2c	---
RW2	11/04/04	---	20.64	12.30	8.34	No	503	506	419	---	r	4.30	5.9	6.2	16.0	---
RW2	02/01/05	---	20.64	11.61	9.03	No	725	640	1,400	---	13.7	5.30	1.5	4.0	3.8	---
RW2	05/03/05	---	20.64	11.72	8.92	No	493d,e	1,130	801	---	8.20	10.3	1.1	5.8	6.3	---
RW2	08/04/05	---	20.64	12.46	8.18	No	3,020d	1,060	3,810	---	9.02	6.36	0.848	1.90	2.47	---
RW2	10/27/05	---	20.64	12.71	7.93	No	716	163	703	---	8.74	<0.50	<0.50	<0.50	0.95	---
RW2	01/26/06	---	20.64	11.65	8.99	No	410d	620a	<500	---	5.1	6.1 a	1.2 a	4.3 a	2.1 a	---
RW2	04/28/06	---	20.64	11.24	9.40	No	300d	680	<470	---	2.6	9.7	1.2	5.3	2.9	---
RW2	07/05/06	---	20.64	12.33	8.31	No	284	946	221	---	<0.500	8.87	1.05	1.81	3.10	---
RW2	10/27/06	---	20.64	12.78	7.86	No	240d	920	<470	---	4.59	<0.50	<0.50	3.65	3.09	---
RW2	01/19/07	---	20.64	12.29	8.35	No	230d	794	<470	---	3.72	6.32	2.27	<0.50	3.09	---
RW2	04/24/07	---	20.64	11.81	8.83	No	652d	1,170	332	---	3.01	7.21	<0.50	6.74	6.15	---
RW2	07/24/07	---	20.64	12.51	8.13	No	250d	970	<470	---	2.5	9.1	<0.50	2.8	1.9	---
RW2	12/03/07	---	20.64	12.71	7.93	No	660d,l	460	660d	---	6.8	7.5	<2.5	<2.5	<2.5	---
RW2	03/06/08	---	20.64	11.61	9.03	No	610d	750	620d	---	2.2	8.5	<2.5	2.7	<2.5	---
RW2	06/26/08	---	20.64	12.71	7.93	No	500d	400	580d	---	1.6	5.6	<1.0	<1.0	1.1	---
RW2	08/12/08	---	20.64	12.81	7.83	No	372d,m,n	317	222m	---	1.36	37.3	<0.50	4.13	3.99	---
RW2	10/23/08	---	20.64	12.97	7.67	No	190	370	<250	---	<0.50	3.2	<0.50	5.5	8.1	---
RW2	03/25/09	---	20.64	11.47	9.17	No	270	400	<250	---	0.89	<0.50	0.86	3.7	3.5	---
RW2	06/17/09	---	20.64	12.25	8.39	No	310	1,100	<250	---	0.76	6.8	<0.50	5.7	4.4	---
RW2	06/17/09	---	20.64	---	---	---	310	1100	<250	---	0.76	6.8	<0.50	5.7	4.4	---
RW2	09/04/09	---	20.64	12.68	7.96	No	170d	840	<250	---	<0.50	<0.50	<0.50	0.76o	<1.0	---
RW2	03/09/10	---	20.64	10.73	9.91	No	340d	1,400	<250	---	<0.50	6.1	1.7	7.2	3.7	---
RW2	09/17/10	---	20.64	12.61	8.03	No	120d	550d	<250	---	0.95	<0.50	0.67	3.1	1.5	---
RW2	02/15/11	---	20.64	11.50	9.14	No	110d	600d	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
RW2	08/23/11	---	20.64	12.19	8.45	No	140d	970d	<250	---	0.64	2.0	2.7	4.6	7.8	---
RW2	02/09/12	---	20.64	11.81	8.83	No	200d	810d	<250	---	<0.50	<0.50	<0.50	3.8	5.0	---
RW2	07/24/12	---	20.64	12.37	8.27	No	790d	720d	600d	---	0.53	3.0	<0.50	<0.50	<1.0	395

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW2	03/08/13	---	20.64	11.79	8.85	No	---	---	---	---	---	---	---	---	---	---
RW2	03/11/13	---	20.64	---	---	---	130d	700	<250	---	<0.50	7.7	<0.50	<0.50	<0.50	---
RW2	09/04/13	---	20.64	12.51	8.13	No	160d	780d	<250	---	0.89	<0.50	<0.50	<0.50	<0.50	---
RW2	12/11/13 b	---	20.64	---	---	---	---	---	---	---	---	---	---	---	---	---
RW2	01/30/14	---	20.64	12.80	7.84	No	170d	500d	<240	---	1.4	<0.50	<0.50	<0.50	<0.50	---
RW2	**08/28/14**	**---**	**20.64**	**12.77**	**7.87**	**No**	**620d**	**1,000**	**470**	**---**	**9.9**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**---**
RW3	10/16/90	---	98.97i	13.29	85.68i	---	---	---	---	---	---	---	---	---	---	---
RW3	01/14/91	---	98.97i	14.50	84.47i	---	---	---	---	---	---	---	---	---	---	---
RW3	02/08/91	---	98.97i	12.54	86.43i	---	---	---	---	---	---	---	---	---	---	---
RW3	04/02/91	---	98.97i	11.39	87.58i	---	---	---	---	---	---	---	---	---	---	---
RW3	05/07/91	---	98.97i	12.47	86.50i	---	---	5,800	---	---	---	4,200	640	220	670	---
RW3	05/31/91	---	98.97i	16.31	82.66i	---	---	---	---	---	---	---	---	---	---	---
RW3	06/26/91	---	98.97i	15.50	83.47i	---	---	---	---	---	---	---	---	---	---	---
RW3	08/05/91	---	98.97i	13.69	85.28i	---	---	---	---	---	---	---	---	---	---	---
RW3	08/13/91	---	98.97i	13.67	85.30i	---	---	---	---	---	---	---	---	---	---	---
RW3	08/14/91	---	98.97i	---	---	---	---	3,800	---	---	---	2,300	300	49	360	---
RW3	09/11/91	---	98.97i	13.77	85.20i	---	---	---	---	---	---	---	---	---	---	---
RW3	10/16/91	---	98.97i	16.66	82.31i	---	---	---	---	---	---	---	---	---	---	---
RW3	11/05/91	---	Well destroyed.													
RW3A	08/24/92 - 04/20/98	---	Not monitored or sampled.													
RW3A	08/24/92	---	---	Well installed in place of RW3.												
RW3A	07/21/98	---	21.75	13.08	8.67	No	---	280	---	16	---	97	<1.2	<1.2	<1.2	---
RW3A	10/06/98	---	21.89	13.72	8.17	No	---	78	---	26	---	26	0.89	<0.5	<0.5	---
RW3A	01/11/99	---	21.75	12.00	9.75	No	---	1,000	---	230	---	490	5.0	<5.0	7.4	---
RW3A	04/08/99	---	21.75	11.90	9.85	No	---	130	---	11	---	70	<1.0	<1.0	<1.0	---
RW3A	07/19/99	---	21.75	11.75	10.00	No	---	989	---	16.4	---	393	6.40	5.70	15.0	---
RW3A	07/27/99	---	21.75	13.68	8.07	No	---	---	---	---	---	---	---	---	---	---
RW3A	10/25/99	---	21.75	13.61	8.14	No	---	150	---	19	---	53	<0.5	<0.5	<0.5	---
RW3A	01/27/00	---	21.75	12.22	9.53	No	---	500	---	12	---	210	0.59	1.40	2.29	---
RW3A	04/03/00	---	21.75	12.00	9.75	No	---	1,100	---	16	---	420	1.6	1.8	1.4	---
RW3A	07/05/00	---	21.75	13.01	8.74	No	---	1,200	---	16	---	440	1.4	2.5	1.9	---
RW3A	10/04/00	---	21.75	13.60	8.15	No	---	390	---	8.3	---	160	1.1	1.5	2.6	---
RW3A	10/05/00	---	21.75	---	---	---	---	---	<1,000	---	---	---	---	---	---	---
RW3A	01/04/01	---	21.75	13.65	8.10	No	---	500	---	12	---	230	0.97	1.1	1.4	---
RW3A	04/03/01	---	21.75	12.30	9.45	No	---	710	---	7.5	---	290	<0.5	<0.5	<0.5	---
RW3A	07/05/01	---	21.75	13.28	8.47	No	---	640	---	9	---	280	1.4	1.6	2.7	---
RW3A	10/03/01	---	21.75	13.58	8.17	No	---	<50	---	12	---	21	<0.5	<0.5	<0.5	---
RW3A	Oct-01	---	21.89	Well surveyed in compliance with AB 2886 requirements.												
RW3A	01/02/02	---	21.89	10.80	11.09	No	---	<100	---	11.2	---	<0.50	<0.50	<0.50	<0.50	---
RW3A	04/02/02	---	21.89	12.03	9.86	No	---	55.7	<100	11.0	---	1.30	<0.50	<0.50	<0.50	---
RW3A	07/01/02	---	21.89	13.13	8.76	No	---	275	<100a	21.7	---	60.4	<0.5	2.4	4.2	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
RW3A	10/02/02	---	21.89	13.70	8.19	No	---	138	114	11.1	---	53.4	<0.5	<0.5	0.7	---
RW3A	01/07/03	---	21.89	11.77	10.12	No	---	<50.0	<50	22.4	30.9	1.5	<0.5	<0.5	<0.5	---
RW3A	06/17/03	---	21.89	12.82	9.07	No	---	54.5	<100	12.8	16.0	7.40	<0.5	<0.5	<0.5	---
RW3A	07/16/03	---	21.89	13.40	8.49	No	---	112	<100	18.0	13.6	26.0	<0.5	<0.5	<0.5	---
RW3A	10/07/03	---	21.89	13.93	7.96	No	124	62.6	<100	10.4	11.3	7.30	<0.5	<0.5	<0.5	---
RW3A	01/14/04	---	21.89	11.55	10.34	No	401	<50.0	<100	11.7	16.2	3.10	<0.5	<0.5	<0.5	---
RW3A	06/03/04	---	21.89	13.43	8.46	No	---	79.0	<100	19.4	22.4	6.30	<0.5	<0.5	<0.5	---
RW3A	08/12/04	---	21.89	c	c	c	1,190c	<50.0c	296c	---	16.2c	<0.50c	<0.5c	<0.5c	<0.5c	---
RW3A	11/04/04	---	21.89	12.91	8.98	No	178	<50.0	122	---	5.40	<0.50	1.7	0.7	3.6	---
RW3A	02/01/05	---	21.89	11.63	10.26	No	<100	<50.0	<100	---	11.8	<0.50	<0.5	<0.5	<0.5	---
RW3A	05/03/05	---	21.89	11.79	10.10	No	158d	<50.0	<100	---	8.50	<0.50	<0.5	<0.5	<0.5	---
RW3A	08/04/05	---	21.89	12.99	8.90	No	687d	89.9	107	---	16.7	26.0	0.645	<0.500	0.835	---
RW3A	10/27/05	---	21.89	13.49	8.40	No	140	<50.0	79.1	---	4.00	9.63	<0.50	<0.50	0.65	---
RW3A	01/26/06	---	21.89	11.76	10.13	No	210d	100a	<500	---	17	5.6a	<0.50a		<0.50a	---
RW3A	04/28/06	---	21.89	10.96	10.93	No	140g	82	<470	---	19	2.6	<0.50	<0.50	<0.50	---
RW3A	07/05/06	---	21.89	13.12	8.77	No	340	50.0	<95.2	---	8.11	1.37	<1.00	<1.00	<3.00	---
RW3A	10/27/06	---	21.89	13.48	8.41	No	63d	789	<470	---	10.6	287	1.29	<0.50	2.03	---
RW3A	01/19/07	---	21.89	12.69	9.20	No	49d	<50.0	<470	---	6.25	2.08	<0.50	<0.50	<0.50	---
RW3A	04/24/07	---	21.89	12.12	9.77	No	<47.6	107	<47.6	---	4.95	17.9	<0.50	<0.50	0.57	---
RW3A	07/24/07	---	21.89	13.11	8.78	No	<47	<500	<470	---	8.5	240	<5.0	<5.0	<5.0	---
RW3A	12/03/07	---	21.89	13.35	8.54	No	61d,l	1,200g	<470	---	12	700	<10	<10	13	---
RW3A	03/06/08	---	21.89	11.69	10.20	No	<47	52	<470	---	4.4	1.5	<0.50	<0.50	<0.50	---
RW3A	06/26/08	---	21.89	13.46	8.43	No	<47	120	<470	---	10	29	<0.50	<0.50	<0.50	---
RW3A	08/12/08	---	21.89	13.67	8.22	No	100d,m,n	59.3	146m	---	9.63	19.5	<0.50	<0.50	<0.50	---
RW3A	10/23/08	---	21.89	13.97	7.92	No	---	---	---	---	---	---	---	---	---	---
RW3A	10/30/08	---	21.89	---	---	---	<50	<50	<250	---	6.5	0.99	<0.50	<0.50	<1.0	---
RW3A	03/25/09	---	21.89	11.62	10.27	No	<50	<50	<250	---	6.4	<0.50	<0.50	<0.50	<1.0	---
RW3A	06/17/09	---	21.89	---	---	---	<50	<50	<250	---	3.3	0.70	<0.50	<0.50	<1.0	---
RW3A	06/17/09	---	21.89	12.87	9.02	No	<50	<50	<250	---	3.3	0.70o	<0.50	<0.50	<1.0	---
RW3A	09/04/09	---	21.89	13.54	8.35	No	<50	<50	<250	---	5.6	<0.50	<0.50	<0.50	<1.0	---
RW3A	03/09/10	---	21.89	10.71	11.18	No	<50	<50	<250	---	4.3	1.8	<0.50	<0.50	<1.0	---
RW3A	09/17/10	---	21.89	13.46	8.43	No	<50	<50	<250	---	5.2	9.7	<0.50	<0.50	<1.0	---
RW3A	02/15/11	---	21.89	11.99	9.90	No	<50	<50	<250	---	1.9	2.2	<0.50	<0.50	<1.0	---
RW3A	08/23/11	---	21.89	12.77	9.12	No	<50	<50	<250	---	2.8	2.5	<0.50	<0.50	<1.0	---
RW3A	02/09/12	---	21.89	12.52	9.37	No	<50	<50	<250	---	1.7	3.8	<0.50	<0.50	<1.0	---
RW3A	07/24/12	---	21.89	13.08	8.81	No	<50	59d	<250	---	2.0	1.1	<0.50	<0.50	<1.0	425
RW3A	03/08/13	---	21.89	12.37	9.52	No	---	---	---	---	---	---	---	---	---	---
RW3A	03/11/13	---	21.89	---	---	---	<50	<50	<250	---	1.9	0.77	<0.50	<0.50	<0.50	---
RW3A	09/04/13	---	21.89	13.41	8.48	No	<50	210d	<250	---	2.1	71	0.78	<0.50	<0.50	---
RW3A	12/11/13 b	---	21.89	---	---	---	---	---	---	---	---	---	---	---	---	---
RW3A	01/30/14	---	21.89	13.68	8.21	No	<48	50	<240	---	1.1	6.0	<0.50	<0.50	<0.50	---
RW3A	**08/28/14**	**---**	**21.89**	**13.65**	**8.24**	**No**	**83d**	**630d**	**<250**	**---**	**2.3**	**320**	**4.0**	**1.5**	**5.5**	**---**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev. (feet)	NAPL (feet)	TPHd (µg/L)	TPHg (µg/L)	TPHmo (µg/L)	MTBE 8021B (µg/L)	MTBE 8260B (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	TDS (mg/L)
Grab Groundwater Samples																
W-Comp	10/26/00	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-15-CPT1	10/24/08	15	---	---	---	---	26,000	2,400	720	---	<10	500	1,400	750	3,700	---
W-38-CPT1	10/24/08	38	---	---	---	---	380	670	340	---	<2.5	65	110	21	79	---
W-15 -CPT2	10/27/08	15	---	---	---	---	260	990	<250	---	2.0	<0.50	<0.50	<0.50	<1.0	---
W-29 -CPT2	10/27/08	29	---	---	---	---	q	60	q	---	0.66	<0.50	<0.50	<0.50	<1.0	---
W-39 -CPT2	10/27/08	39	---	---	---	---	160	<50	<250	---	<0.50	<0.50	<0.50	<0.50	<1.0	---
W-14 -CPT3	10/23/08	14	---	---	---	---	q	20,000	q	---	59	4,200	2,400	860	4,100	---
W-13-GP1	03/29/00	13	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-23-GP1	03/29/00	23	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-12-GP2	03/29/00	12	---	---	---	---	---	100	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-23-GP2	03/29/00	23	---	---	---	---	---	<50	---	<2	---	<0.5	<0.5	<0.5	<0.5	---
W-15-B7	03/05/07	15	---	---	---	---	66d	<50	<470	---	0.54	<0.50	<0.50	<0.50	<0.50	---
W-22-B7	03/05/07	22	---	---	---	---	220d	<50	<470	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
W-14-B8	03/02/07	14	---	---	---	---	1,900d	<50	2,800d	---	<0.50	<0.50	<0.50	<0.50	<0.50	---
W-14-16-B9	03/06/07	14-16	---	---	---	---	1,000d	38,000	<480	---	120	15,000	890	700	1,700	---
W-22.5-24-B9	03/06/07	22.5-24	---	---	---	---	81d	490	<480	---	17	160	21	12	40	---
UOW r	11/27/91	---	---	---	---	---	18,000	550	---	---	---	12/15p	4.9/7p	19/20p	72/<5p	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
TDS	=	Total dissolved solids analyzed using Standard Method 2540C.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	The chromatographic pattern does not match that of the specified standard.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

Notes:

t = Well inaccessible.

u = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

v = Insufficient water to sample.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
Monitoring Well Samples									
MW6A	June 1988	---	Well installed.						
MW6A	06/24/88 - 12/31/91	---	Not analyzed for these analytes.						
MW6A	05/02/92	---	Well destroyed.						
MW6B	June 1988	---	Well installed.						
MW6B	06/24/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6B	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6B	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6B	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6B	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6B	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6B	01/26/06	---	<0.50	<0.50	0.56	<20	<0.50	<0.50	<100
MW6B	04/28/06	---	<0.50	15	<0.50	27	<0.50	3.6	---
MW6B	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6B	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	07/24/07	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6B	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6B	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6B	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6B	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6B	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6B	03/25/09	---	<12	<12	<12	<120	<12	<12	---
MW6B	06/17/09	---	<20	<20	<20	<200	<20	<20	---
MW6B	06/17/09	---	<20	<20	<20	<200	<20	<20	---
MW6B	09/04/09	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---
MW6B	03/09/10	---	<2.0	<2.0	<2.0	28	<2.0	7.8	---
MW6B	09/17/10	---	---	---	<1.0	16	<1.0	2.7	---
MW6B	02/15/11	---	<10	<10	<10	<100	<10	10	---
MW6B	08/23/11	---	<12	<12	<12	<120	<12	<12	---
MW6B	02/09/12	---	<0.50	<0.50	<0.50	53	<0.50	7.4	---
MW6B	07/24/12	---	<5.0	<5.0	<5.0	73	<5.0	17	---
MW6B	03/11/13	---	<10	<10	<10	<100	<10	17	<1,000
MW6B	09/04/13	---	<0.50	<0.50	<0.50	15	<0.50	4.0	---
MW6B	12/11/13 b	---	---	---	---	---	---	---	---
MW6B	01/30/14	---	<0.50	<0.50	<0.50	5.9	<0.50	0.68	---
MW6B	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**10**	**<0.50**	**1.9**	**---**

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6C	06/15/88	---	Well installed.						
MW6C	06/24/88 - 04/30/90	---	Not analyzed for these analytes.						
MW6C	05/10/90	---	Well over-drilled into recovery well RW3.						
MW6D	07/06/88	---	Well installed.						
MW6D	07/11/88 - 04/30/90	---	Not analyzed for these analytes.						
MW6D	05/10/90	---	Well over-drilled into recovery well RW2.						
MW6E	10/04/88	---	Well installed.						
MW6E	10/20/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6E	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6E	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6E	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6E	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6E	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6E	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6E	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6E	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6E	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6E	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6E	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6E	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6E	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6E	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	03/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.51	<50
MW6E	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	12/11/13 b	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6E	01/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6E	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW6F	10/05/88	---	Well installed.						
MW6F	10/20/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6F	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6F	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6F	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6F	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6F	05/03/05	---	<0.50	1.70	0.90	<10.0	<0.50	<0.50	<50.0
MW6F	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6F	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6F	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
MW6F	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6F	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	12/03/07	---	---	---	---	---	---	---	---
MW6F	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
MW6F	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6F	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6F	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6F	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	03/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6F	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	12/11/13 b	---	---	---	---	---	---	---	---
MW6F	01/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6F	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW6G	11/16/88	---	Well installed.						
MW6G	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6G	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6G	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6G	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
MW6G	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6G	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6G	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6G	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6G	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6G	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<100
MW6G	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100
MW6G	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6G	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<100
MW6G	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6G	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6G	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	<50
MW6G	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	03/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	12/11/13 b	---	---	---	---	---	---	---	---
MW6G	01/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6G	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<50**
MW6H	Dec-88	---	Well installed.						
MW6H	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6H	01/07/03	---	<0.50	<0.50	<0.50	952	<0.50	7.50	---
MW6H	06/17/03	---	<0.50	<0.50	<0.50	678	<0.50	7.10	<100
MW6H	07/16/03	---	<0.50	14.6	0.70	307	<0.50	6.20	<100
MW6H	10/07/03	---	<0.50	<0.50	<0.50	294	<0.50	7.40	<100
MW6H	01/14/04	---	<0.50	<0.50	<0.50	883	<0.50	6.80	<50.0
MW6H	06/03/04	---	<0.50	<0.50	<0.50	541	<0.50	5.80	<50.0
MW6H	08/12/04	---	<0.50c	<0.50c	<0.50c	754c	<0.50c	5.40c	<50.0c
MW6H	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6H	02/01/05	---	<0.50	<0.50	<0.50	625	<0.50	4.20	<50.0

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6H	05/03/05	---	<0.50	<0.50	<0.50	436	<0.50	3.10	<50.0
MW6H	08/04/05	---	<0.500	<0.500	<0.500	530	<0.500	3.73	<50.0
MW6H	10/27/05	---	<0.500	<0.500	<0.500	422	<0.500	4.62	<100
MW6H	01/26/06	---	<25	<25	<25	<1,000	<25	<25	<5,000
MW6H	04/28/06	---	<25	<25	<25	<1,000	<25	<25	<5,000
MW6H	07/05/06	---	<0.500	<0.500	<0.500	137	<0.500	2.41	<50.0
MW6H	10/27/06	---	<0.500	<0.500	<0.500	131	<0.500	3.61	<100
MW6H	01/19/07	---	<0.500	25.7	28.1	161	<0.500	2.96	<50.0
MW6H	04/24/07	---	<0.500	<0.500	<0.500	173	<0.500	1.97	<50.0
MW6H	07/24/07	---	<0.50	<0.50	<0.50	140	<0.50	3.8	<100
MW6H	12/03/07	---	<0.50	<0.50	<0.50	150	<0.50	7.0	<100
MW6H	03/06/08	---	<0.50	<0.50	<0.50	92	<0.50	1.8	<100
MW6H	06/26/08	---	<0.50	<0.50	<0.50	80	<0.50	1.6	<100
MW6H	08/12/08	---	<0.500	<0.500	<0.500	66.6	<0.500	1.79	<50.0
MW6H	10/30/08	---	<0.50	<0.50	<0.50	76	<0.50	2.4	<50
MW6H	03/25/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	06/17/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	06/17/09	---	<50	<50	<50	<500	<50	<50	<5,000
MW6H	09/04/09	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	03/09/10	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	09/17/10	---	---	---	<12	<120	<12	<12	<1,200
MW6H	02/15/11	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	08/23/11	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	02/09/12	---	<0.50	<0.50	<0.50	9.5s	<0.50	1.2	<50
MW6H	07/24/12	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	03/11/13	---	<20	<20	<20	<200	<20	<20	<2,000
MW6H	09/04/13	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	12/11/13 b	---	---	---	---	---	---	---	---
MW6H	01/30/14	---	<10	<10	<10	<100	<10	<10	<1,000
MW6H	**08/28/14**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**<1,000**
MW6I	Dec-88	---	Well installed.						
MW6I	12/07/88 - 10/02/02	---	Not analyzed for these analytes.						
MW6I	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6I	06/17/03 b	---	---	---	---	---	---	---	---
MW6I	07/16/03	---	<0.50	<0.50	<0.50	16.4	<0.50	<0.50	<100
MW6I	10/07/03 b	---	---	---	---	---	---	---	---
MW6I	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6I	05/03/04 b	---	---	---	---	---	---	---	---
MW6I	06/03/04 b	---	---	---	---	---	---	---	---
MW6I	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6I	11/04/04 b	---	---	---	---	---	---	---	---
MW6I	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6I	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	10/27/05 b	---	---	---	---	---	---	---	---
MW6I	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100
MW6I	04/28/06 b	---	---	---	---	---	---	---	---
MW6I	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	10/27/06 b	---	---	---	---	---	---	---	---

TABLE 1B
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6I	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6I	04/24/07 b	---	---	---	---	---	---	---	---
MW6I	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
MW6I	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	06/26/08 b	---	---	---	---	---	---	---	---
MW6I	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6I	10/23/08 b	---	---	---	---	---	---	---	---
MW6I	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	06/17/09 b	---	---	---	---	---	---	---	---
MW6I	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6I	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	03/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
MW6I	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	12/11/13 b	---	---	---	---	---	---	---	---
MW6I	01/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6I	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW6J	04/06/01	---	Well installed.						
MW6J	07/05/01 - 10/02/02	---	Not analyzed for these analytes.						
MW6J	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
MW6J	06/17/03	---	<0.50	0.90	<0.50	<10.0	<0.50	<0.50	<100
MW6J	07/16/03	---	<0.50	1.00	<0.50	<10.0	<0.50	<0.50	<100
MW6J	10/07/03	---	<0.50	<0.5	<0.50	<10.0	<0.50	<0.50	<100
MW6J	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	06/03/04	---	<0.50	2.00	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	08/12/04	---	<0.50c	1.20c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
MW6J	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	02/01/05	---	<0.50	1.20	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	05/03/05	---	<0.50	1.20	<0.50	<10.0	<0.50	<0.50	<50.0
MW6J	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6J	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
MW6J	01/26/06	---	<0.50	1.1	<0.50	<20	<0.50	<0.50	<100
MW6J	04/28/06	---	<0.50	1.3	<0.50	<20	<0.50	<0.50	---
MW6J	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
MW6J	10/27/06	---	<0.500	1.04	<0.500	<10.0	<0.500	<0.500	---
MW6J	01/19/07	---	<0.500	1.15	<0.500	<10.0	<0.500	<0.500	<50.0
MW6J	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
MW6J	07/24/07	---	<0.50	1.1	<0.50	<20	<0.50	<0.50	---
MW6J	12/03/07	---	<0.50	1.8	<0.50	<10	<0.50	<0.50	---
MW6J	03/06/08	---	Well inaccessible due to encroachment permit restrictions.						
MW6J	06/26/08	---	Well inaccessible due to encroachment permit restrictions.						
MW6J	08/12/08	---	Well inaccessible due to encroachment permit restrictions.						
MW6J	10/23/08	---	<0.50	0.59	<0.50	<5.0	<0.50	<0.50	<50

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Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
MW6J	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	09/04/09	---	<0.50	0.74	<0.50	<5.0	<0.50	<0.50	---
MW6J	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
MW6J	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	08/23/11	---	<0.50	0.58	<0.50	<5.0	<0.50	<0.50	---
MW6J	02/09/12	---	<0.50	<0.50	<0.50	8.5s	<0.50	<0.50	---
MW6J	07/24/12	---	<0.50	0.72	<0.50	<5.0	<0.50	<0.50	---
MW6J	03/08/13 t	---	---	---	---	---	---	---	---
MW6J	09/04/13	---	<0.50	0.57	<0.50	<5.0	<0.50	<0.50	---
MW6J	12/11/13 b	---	---	---	---	---	---	---	---
MW6J	01/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
MW6J	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**---**
MW6Ka	06/21/13 v	---	---	---	---	---	---	---	---
MW6Ka	09/04/13 v	---	---	---	---	---	---	---	---
MW6Ka	12/11/13 v	---	---	---	---	---	---	---	---
MW6Ka	01/30/14 v	---	---	---	---	---	---	---	---
MW6Ka	**08/28/14 v**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Kb	06/21/13	---	<10	<10	<10	<100	<10	<10	<1,000
MW6Kb	09/04/13	---	<2.5	<2.5	<2.5	<25	<2.5	3.1	---
MW6Kb	12/11/13	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500
MW6Kb	01/30/14	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---
MW6Kb	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**9.9**	**<0.50**	**2.0**	**---**
MW6La	06/21/13 v	---	---	---	---	---	---	---	---
MW6La	09/04/13 v	---	---	---	---	---	---	---	---
MW6La	12/11/13 v	---	---	---	---	---	---	---	---
MW6La	01/30/14 v	---	---	---	---	---	---	---	---
MW6La	**08/28/14 v**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
MW6Lb	06/21/13	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500
MW6Lb	09/04/13	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500
MW6Lb	12/11/13	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<500
MW6Lb	01/30/14	---	<1.0	<1.0	<1.0	<10	<1.0	1.5	---
MW6Lb	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**9.7**	**<0.50**	**2.6**	**---**
RW1	05/10/90	---	Well installed.						
RW1	10/16/90 - 10/02/02	---	Not analyzed for these analytes.						
RW1	01/07/03	---	<10.0	<10.0	<10.0	<200	<10.0	<10.0	---
RW1	06/17/03	---	<0.50	<0.50	<0.50	324	<0.50	<0.50	<100
RW1	07/16/03	---	<10.0	1.70	<0.50	110	<0.50	1.10	<100
RW1	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW1	01/14/04	---	<0.50	<0.50	<0.50	234	<0.50	0.90	<50.0

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW1	06/03/04	---	<0.50	<0.50	<0.50	338	<0.50	1.30	<50.0
RW1	08/12/04	---	1.30c	<0.50c	<0.50c	437c	<0.50c	1.20c	<50.0c
RW1	11/04/04	---	<0.50	<0.50	<0.50	541	<0.50	<0.50	<50.0
RW1	02/01/05	---	<0.50	<0.50	<0.50	261	<0.50	1.80	<50.0
RW1	05/03/05	---	<0.50	<0.50	<0.50	200	<0.50	<0.50	<50.0
RW1	08/04/05	---	<0.500	<0.500	<0.500	169	<0.500	<0.500	<50.0
RW1	10/27/05	---	<0.500	<0.500	<0.500	152	<0.500	0.660	<100
RW1	01/26/06	---	<2.5	<2.5	<2.5	280	<2.5	<2.5	<500
RW1	04/28/06	---	<0.50	<0.50	<0.50	86	<0.50	<0.50	<100
RW1	07/05/06	---	1.02	<0.500	<0.500	80.5	<0.500	<0.500	<50.0
RW1	10/27/06	---	<0.500	<0.500	<0.500	104	<0.500	<0.500	<100
RW1	01/19/07	---	<0.500	<0.500	<0.500	64.6	<0.500	<0.500	<50.0
RW1	04/24/07	---	<0.500	<0.500	<0.500	70.8	<0.500	<0.500	<50.0
RW1	07/24/07	---	<0.50	<0.50	<0.50	17	<0.50	<0.50	<100
RW1	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
RW1	03/06/08	---	<0.50	<0.50	<0.50	37	<0.50	<0.50	<100
RW1	06/26/08	---	<0.50	<0.50	<0.50	18	<0.50	<0.50	<100
RW1	08/12/08	---	0.710	<0.500	<0.500	23.3	<0.500	<0.500	<50.0
RW1	10/30/08	---	<0.50	<0.50	<0.50	43	<0.50	<0.50	<50
RW1	03/25/09	---	<0.50	<0.50	<0.50	46	<0.50	<0.50	<50
RW1	06/17/09	---	<0.50	<0.50	<0.50	80	<0.50	0.79	<50
RW1	06/17/09	---	<0.50	<0.50	<0.50	80	<0.50	0.79	<50
RW1	09/04/09	---	<0.50	<0.50	<0.50	60	<0.50	0.55	<50
RW1	03/09/10	---	<0.50	<0.50	<0.50	70	<0.50	0.61	<50
RW1	09/17/10	---	---	---	<1.0	56	<1.0	<1.0	---
RW1	02/15/11	---	<1.0	<1.0	<1.0	35	<1.0	<1.0	---
RW1	08/23/11	---	<0.50	<0.50	<0.50	25	<0.50	<0.50	---
RW1	02/09/12	---	<0.50	<0.50	<0.50	23	<0.50	<0.50	---
RW1	07/24/12	---	<0.50	<0.50	<0.50	30	<0.50	<0.50	<50
RW1	03/11/13	---	<0.50	<0.50	<0.50	22	<0.50	<0.50	<50
RW1	09/04/13	---	<0.50	<0.50	<0.50	21	<0.50	0.69	<50
RW1	12/11/13 b	---	---	---	---	---	---	---	---
RW1	01/30/14	---	<0.50	<0.50	<0.50	27	<0.50	<0.50	<50
RW1	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**26**	**<0.50**	**<0.50**	**<50**
RW2	10/16/90 - 10/02/02	---	Not analyzed for these analytes.						
RW2	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
RW2	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW2	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW2	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<100
RW2	01/14/04	---	<0.50	<0.50	<0.50	370	<0.50	<0.50	<50.0
RW2	06/03/04	---	<0.50	<0.50	<0.50	370	<0.50	<0.50	<50.0
RW2	08/12/04	---	1.30c	<0.50c	<0.50c	<10.0c	<0.50c	<0.50c	<50.0c
RW2	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW2	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW2	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW2	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW2	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	<0.500	<100
RW2	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	<100

TABLE 1B
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW2	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	<0.50	---
RW2	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW2	10/27/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
RW2	01/19/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW2	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
RW2	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	12/03/07	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
RW2	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	06/26/08	---	<0.50	<0.50	<0.50	<10	<0.50	<0.50	---
RW2	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	---
RW2	10/23/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
RW2	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	09/04/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	09/17/10	---	---	---	<0.50	<5.0	<0.50	<0.50	---
RW2	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	08/23/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	07/24/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	03/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
RW2	09/04/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	12/11/13 b	---	---	---	---	---	---	---	---
RW2	01/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---
RW2	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**8.3**	**<0.50**	**<0.50**	**---**
RW3	10/16/90 - 10/16/91	---	Not analyzed for these analytes.						
RW3	11/05/91	---	Well destroyed.						
RW3A	08/24/92	---	Well installed in place of RW3.						
RW3A	08/24/98 - 10/02/02	---	Not analyzed for these analytes.						
RW3A	01/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	---
RW3A	06/17/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.20	<100
RW3A	07/16/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.40	<100
RW3A	10/07/03	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.40	<100
RW3A	01/14/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	2.20	<50.0
RW3A	06/03/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	1.20	<50.0
RW3A	08/12/04	---	<0.50c	<0.50c	<0.50c	<10.0c	<0.50c	1.10c	<50.0c
RW3A	11/04/04	---	<0.50	<0.50	<0.50	<10.0	<0.50	<0.50	<50.0
RW3A	02/01/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	2.10	<50.0
RW3A	05/03/05	---	<0.50	<0.50	<0.50	<10.0	<0.50	0.60	<50.0
RW3A	08/04/05	---	<0.500	<0.500	<0.500	<10.0	<0.500	<0.500	<50.0
RW3A	10/27/05	---	<0.500	<0.500	<0.500	<20.0	<0.500	0.980	<100
RW3A	01/26/06	---	<0.50	<0.50	<0.50	<20	<0.50	3.2	<100
RW3A	04/28/06	---	<0.50	<0.50	<0.50	<20	<0.50	1.5	<100
RW3A	07/05/06	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.20	<50.0
RW3A	10/27/06	---	<0.500	<0.500	<0.500	17.3	<0.500	3.90	<100
RW3A	01/19/07	---	<0.500	1.30	<0.500	<10.0	<0.500	1.55	<50.0

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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
RW3A	04/24/07	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.61	<50.0
RW3A	07/24/07	---	<0.50	<0.50	<0.50	<5.0	<0.50	3.1	<100
RW3A	12/03/07	---	<0.50	<0.50	<0.50	30	<0.50	7.5	<100
RW3A	03/06/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.88	<100
RW3A	06/26/08	---	<0.50	<0.50	<0.50	13	<0.50	3.0	<100
RW3A	08/12/08	---	<0.500	<0.500	<0.500	<10.0	<0.500	1.40	<50.0
RW3A	10/30/08	---	<0.50	<0.50	<0.50	<5.0	<0.50	1.4	<50
RW3A	03/25/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.72	<50
RW3A	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.85	<50
RW3A	06/17/09	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.85	<50
RW3A	09/04/09	---	<0.50	<0.50	<0.50	6.5	<0.50	1.3	<50
RW3A	03/09/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.63	<50
RW3A	09/17/10	---	---	---	<0.50	9.8	<0.50	2.1	<50
RW3A	02/15/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	0.73	<50
RW3A	08/23/11	---	<0.50	<0.50	<0.50	8.9	<0.50	1.6	<50
RW3A	02/09/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	1.4	<50
RW3A	07/24/12	---	<0.50	<0.50	<0.50	17	<0.50	3.0	<50
RW3A	03/11/13	---	<0.50	<0.50	<0.50	13	<0.50	2.4	<50
RW3A	09/04/13	---	<0.50	<0.50	<0.50	22	<0.50	4.5	<50
RW3A	12/11/13 b	---	---	---	---	---	---	---	---
RW3A	01/30/14	---	<0.50	<0.50	<0.50	19	<0.50	1.8	<50
RW3A	**08/28/14**	**---**	**<0.50**	**<0.50**	**<0.50**	**46**	**<0.50**	**4.7**	**<50**
Grab Groundwater Samples									
W-Comp	10/26/00	---	---	---	---	---	---	---	---
W-15-CPT1	10/24/08	15	<10	<10	<10	270	<10	<10	<1,000
W-38-CPT1	10/24/08	38	<2.5	<2.5	<2.5	<25	<2.5	<2.5	<250
W-15 -CPT2	10/27/08	15	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-29 -CPT2	10/27/08	29	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-39 -CPT2	10/27/08	39	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<50
W-14 -CPT3	10/23/08	14	<10	<10	<10	260	<10	<10	<1,000
W-13-GP1	03/29/00	13	---	---	---	---	---	---	---
W-23-GP1	03/29/00	23	---	---	---	---	---	---	---
W-12-GP2	03/29/00	12	---	---	---	---	---	---	---
W-23-GP2	03/29/00	23	---	---	---	---	---	---	---
W-15-B7	03/05/07	15	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
W-22-B7	03/05/07	22	<0.50	<0.50	<0.50	<10	<0.50	<0.50	<100
W-14-B8	03/02/07	14	<0.50	<0.50	<0.50	<12	<0.50	<0.50	<100

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2225 Telegraph Avenue
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Well ID	Sampling Date	Depth (feet)	EDB (µg/L)	1,2-DCA (µg/L)	TAME (µg/L)	TBA (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Ethanol (µg/L)
W-14-16-B9	03/06/07	14-16	<50	<50	<50	<500	<50	<50	<10,000
W-22.5-24-B9	03/06/07	22.5-24	<1.0	<1.0	<1.0	<10	<1.0	3.4	<200
UOW r	11/27/91	---	---	---	---	---	---	---	---

TABLE 1B
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Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
TDS	=	Total dissolved solids analyzed using Standard Method 2540C.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	The chromatographic pattern does not match that of the specified standard.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

t = Well inaccessible.

u = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

v = Insufficient water to sample.

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - METALS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Sampling Date	Depth (feet)	Arsenic (µg/L)	Lead (µg/L)	Cadmium (µg/L)	Chromium	Copper (µg/L)	Iron (µg/L)	Nickel (µg/L)	Silver (µg/L)	Zinc (µg/L)
Monitoring Well Samples											
Not analyzed for these analytes.											
Grab Groundwater Samples											
W-Comp	10/26/00	---	11.5	<5	<5	<10	<10	825	27.5	<10	28.5
W-15-CPT1	10/24/08	15	---	---	---	---	---	---	---	---	---
W-38-CPT1	10/24/08	38	---	---	---	---	---	---	---	---	---
W-15 -CPT2	10/27/08	15	---	---	---	---	---	---	---	---	---
W-29 -CPT2	10/27/08	29	---	---	---	---	---	---	---	---	---
W-39 -CPT2	10/27/08	39	---	---	---	---	---	---	---	---	---
W-14 -CPT3	10/23/08	14	---	---	---	---	---	---	---	---	---
W-41-CPT3	10/23/08	41	---	---	---	---	---	---	---	---	---
W-13-GP1	03/29/00	13	---	---	---	---	---	---	---	---	---
W-23-GP1	03/29/00	23	---	---	---	---	---	---	---	---	---
W-12-GP2	03/29/00	12	---	---	---	---	---	---	---	---	---
W-23-GP2	03/29/00	23	---	---	---	---	---	---	---	---	---
W-15-B7	03/05/07	15	---	---	---	---	---	---	---	---	---
W-22-B7	03/05/07	22	---	---	---	---	---	---	---	---	---
W-14-B8	03/02/07	14	---	---	---	---	---	---	---	---	---
W-14-16-B9	03/06/07	14-16	---	---	---	---	---	---	---	---	---
W-22.5-24-B9	03/06/07	22.5-24	---	---	---	---	---	---	---	---	---
UOW r	11/27/91	---	---	<100	<5	<10	---	---	30	---	10

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - METALS
Former Exxon Service Station 70235
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Notes:

TOC Elev.	=	Top of casing elevation; datum is mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is mean sea level.
NAPL	=	Non-aqueous phase liquid.
Sheen	=	Liquid-phase hydrocarbon present as sheen.
in.	=	Inches of floating product.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 5030/8015B (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 5030/8015B (modified).
TPHmo	=	Total petroleum hydrocarbons as motor oil using EPA Method 8015B.
MTBE 8260B	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
MTBE 8021B	=	Methyl tertiary butyl ether analyzed using EPA Method 8021B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 602 or 8021B.
TDS	=	Total dissolved solids analyzed using Standard Method 2540C.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
Ethanol	=	Ethanol analyzed using EPA Method 8260B.
Metals	=	Metals analyzed using EPA Method 200.7.
µg/L	=	Micrograms per liter.
mg/L	=	Milligrams per liter.
<	=	Less than the indicated reporting limit shown by the laboratory.
---	=	Not measured/Not sampled/Not analyzed.
a	=	Analyses performed past EPA recommended holding time.
b	=	Well sampled semi-annually.
c	=	Groundwater elevation data invalidated; analytical results suspect.
d	=	The chromatographic pattern does not match that of the specified standard.
e	=	TRPH-diesel surrogate was diluted out due to sample matrix
f	=	Analyte detected in Matrix Spike and Matrix Spike Duplicate.
g	=	Elevated result due to single analyte peak in quantitation range.
h	=	Initial analysis within EPA recommended hold time. Re-analysis for dilution performed past hold time.
i	=	Based on assigned benchmark with elevation arbitrarily set at 100 feet.
j	=	Benchmark is City of Oakland #37J.
k	=	Sample container broken in shipment. Analyses not performed.
l	=	Analyte detected in associated method blank.
m	=	Sample received above recommended temperature.
n	=	Analyte detected in bailer bank.
o	=	Analyte presence was not confirmed by second column or GC/MS analysis.
p	=	Analyzed using EPA Method 624.
q	=	Insufficient sample volume.
r	=	Additional analyses: TOG - 580 µg/L; HVOCs - ND except for 70 µg/L of bromoform.
s	=	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - METALS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Notes:

t = Well inaccessible.

u = DTW measured in the field indicates less than 6 inches of water in the well, which is not representative of the actual groundwater table. Groundwater elevation not calculated, data not used to compile groundwater elevation map.

v = Insufficient water to sample.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Well ID	Well Installation Date	TOC Elevation (feet)	Borehole Diameter (inches)	Total Depth of Boring (feet bgs)	Well Depth (feet bgs)	Casing Diameter (inches)	Well Casing Material	Screened Interval (feet bgs)	Slot Size (inches)	Filter Pack Interval (feet bgs)	Filter Pack Material
MW6A	Well destroyed in 1992.										
MW6B	June 1988	21.09	8	21.5	20	2	PVC	9-19	0.020	7-20	#3 Sand
MW6C	Well converted to groundwater recovery well RW3 in 1990.										
MW6D	Well converted to groundwater recovery well RW2 in 1990.										
MW6E	10/04/88	21.24	10.5	21.5	21.5	4	PVC	10-19.5	0.020	8-21.5	#3 Sand
MW6F	10/05/88	22.17	10.5	22	22	4	PVC	10-19.5	0.020	8-22	#3 Sand
MW6G	11/16/88	20.46	8	20	20	4	PVC	10-19.5	0.020	8-20	#3 Sand
MW6H	11/16/88	20.20	8	21	21	4	PVC	10-19.5	0.020	8-21	#3 Sand
MW6I	11/17/88	19.87	8	21	21	4	PVC	10-19.5	0.020	8-21	#3 Sand
MW6J	04/06/01	20.75	8	23	23	2	PVC	6-23	0.020	6-23	#2/12 Sand
MW6Ka	06/13/13	21.04	10	13	13	4	PVC	11-13	0.020	9-13	#3 Sand
MW6Kb	06/13/13	20.81	8	20	19	2	PVC	16-19	0.020	15-19	#3 Sand
MW6La	06/12/13	21.18	10	13	13	4	PVC	11-13	0.020	9-13	#3 Sand
MW6Lb	06/12/13	21.19	8	20	18	2	PVC	16-18	0.020	15-18	#3 Sand
RW1	05/10/90	20.43	12	25	25	4	PVC	9.5-24.5	0.020	8.5-25	#3 Sand
RW2	07/06/88	20.64	12	25	25	4	PVC	9.5-24.5	0.020	9.5-25	#3 Sand
RW3	Well destroyed in 1991 and replaced with well RW3A in 1992.										
RW3A	08/24/92	21.89	12	21.5	21.5	4	PVC	9-21	0.020	8-21.5	#3 Sand
VW1	06/05/92	NS	NS	11	11	4	PVC	6-11	0.020	NS	NS
VW2	06/05/92	NS	NS	11	11	4	PVC	6-11	0.020	NS	NS
VW3	08/24/92	NS	12	13.5	13.5	4	PVC	4-13.5	0.050	4-13.5	Aquarium Sand

Notes:
TOC = Top of well casing elevation; datum is mean sea level.
PVC = Polyvinyl chloride.
feet bgs = feet below ground surface.
NS = Not specified.

TABLE 3
AIR SPARGE/DUAL-PHASE EXTRACTION EVENT - EXTRACTION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sampling Date	Sampling Time	LRP Hours	Elapsed Time	Blower Vacuum (in Hg)	Well Vacuum (in Hg)	Vapor Flow (fpm)	Vapor Flow (scfm)	Oxidizer Temp (deg C)	Oxidizer Temp (deg F)	Vapor Temp (deg F)	Vapor Pressure (in H_2O)	PID Influent (ppm)	PID Effluent (ppm)	Totalizer Reading (gallons)
07/28/14	14:00	8,550.0	0.0	20.0	0	1,500	33.2	365	689	70	2	0.0	0.0	878,864
07/28/14	15:00	8,551.0	1.0	22.5	7	1,300	28.5	474	885	75	2	3,326	32.6	878,897
07/28/14	16:00	8,552.0	2.0	20	9	1,400	30.7	398	748	75	2	4,900	15.1	878,932
07/28/14	17:00	8,553.0	3.0	18	7	2,500	55.3	454	849	75	6	4,150	5.4	878,966
07/28/14	18:00	8,554.0	4.0	23	15	1,400	31.0	449	840	70	2	3,633	20.6	878,997
07/29/14	8:30	8,555.0	5.0	22.5	15	1,600	35.7	415	779	65	2	717	9.9	878,997
07/29/14	9:00	8,556.0	6.0	22.5	17	1,575	35.2	483	901	65	2	1,588	14.9	879,029
07/29/14	10:00	8,557.0	7.0	22.5	14	1,600	35.4	475	887	70	2	1,410	11.1	879,061
07/29/14	11:00	8,558.0	8.0	22.5	14	1,500	33.2	483	901	70	2	1,776	14.2	879,092
07/29/14	12:00	8,559.0	9.0	22.5	17	1,500	32.9	488	910	75	2	1,665	15.7	879,124
07/29/14	13:00	8,560.0	10.0	23	14	1,450	31.8	523	973	75	2	1,730	9.4	879,156
07/29/14	14:00	8,561.0	11.0	22	14	1,525	33.4	504	939	75	2	1,943	15.7	879,187
07/29/14	15:00	8,562.0	12.0	22.5	14	1,500	32.9	531	988	75	2	1,936	11.0	879,229
07/29/14	16:00	8,563.0	13.0	22	15	1,625	35.3	490	914	80	2	2,316	19.9	879,250
07/29/14	17:00	8,564.0	14.0	22	15	1,625	34.9	480	896	85	2	2,392	18.8	879,281
07/29/14	18:00	8,565.0	15.0	22.5	15	1,425	31.2	512	954	75	2	2,717	15.7	879,313
07/29/14	18:30	8,565.5	15.5	22.5	15	1,400	31.0	513	955	70	2	2,764	16.3	879,313
07/30/14	8:30	8,566.5	16.5	22.5	14	1,525	34.0	422	792	65	2	389	7.2	879,345
07/30/14	9:00	8,567.0	17.0	21.5	16	1,775	39.6	521	970	65	2	3,060	12.1	879,345
07/30/14	10:00	8,568.0	18.0	19.5	16	2,350	52.3	524	975	70	5	2,314	19.3	879,410
07/30/14	11:00	8,569.0	19.0	19.5	14	2,400	53.4	537	999	70	5	2,621	17.2	879,475
07/30/14	12:00	8,570.0	20.0	19	15	2,475	55.2	512	954	70	5.5	2,181	17.4	879,508
07/30/14	13:00	8,571.0	21.0	18.5	14	2,625	58.1	517	963	75	6	3,240	18.7	879,572
07/30/14	14:00	8,572.0	22.0	19	14.5	2,400	53.0	538	1,000	75	5.5	3,294	15.9	879,604
07/30/14	15:00	8,573.0	23.0	20.5	14.5	2,000	44.5	497	927	70	4.5	5,460	21.1	879,668
07/30/14	16:00	8,574.0	24.0	19	14.5	2,450	54.2	499	930	75	6	3,343	32.7	879,700
07/30/14	17:00	8,575.0	25.0	19	14	2,600	57.4	513	955	75	5.5	3,658	29.9	879,732
07/30/14	18:00	8,576.0	26.0	19	14	2,375	52.5	491	916	75	5.5	4,090	35.6	879,797
07/30/14	18:30	8,576.5	26.5	19.5	15	2,150	47.4	517	963	75	5	5,413	40.7	879,797
07/31/14	8:30	8,577.5	27.5	18	14	2,750	62.1	396	745	65	7	1,205	31.8	879,828
07/31/14	9:00	8,578.0	28.0	19.5	15	2,200	49.5	432	810	65	5	1,572	29.4	879,860
07/31/14	10:00	8,579.0	29.0	21	15	1,850	41.1	541	1,006	70	4	2,980	17.6	879,893
07/31/14	11:00	8,580.0	30.0	20.5	15.5	1,775	39.4	539	1,002	70	4	4,774	13.4	879,958
07/31/14	12:00	8,581.0	31.0	19.5	14.5	2,200	48.9	501	934	70	4.5	4,761	15.9	879,990
07/31/14	13:00	8,582.0	32.0	20	14.5	2,150	47.8	536	997	70	4.5	5,021	17.1	880,022
07/31/14	14:00	8,583.0	33.0	20	14.5	2,100	46.3	526	979	75	4.5	4,235	15.2	880,087
07/31/14	15:00	8,584.0	34.0	19.5	15	2,150	47.4	518	964	75	4.5	5,195	22.8	880,119
07/31/14	16:00	8,585.0	35.0	19.5	15	2,100	46.3	518	964	75	4.5	6,174	25.2	880,183
08/01/14	6:30	8,586.0	36.0	18	13	2,800	62.5	393	739	70	6	163	16.2	880,183
08/01/14	7:00	8,587.0	37.0	22	16	1,350	30.1	528	982	65	2	3,955	10.3	880,216
08/01/14	8:00	8,588.0	38.0	21	14.5	1,850	41.5	526	979	65	4	3,157	20.6	880,249
08/01/14	9:00	8,589.0	39.0	20	14	2,225	49.6	582	1,080	70	5	2,792	24.1	880,314
08/01/14	10:00	8,590.0	40.0	21	15	1,900	42.2	529	984	70	4	3,536	29.3	880,379
08/01/14	11:00	8,591.0	41.0	20.5	14.5	2,050	45.6	538	1,000	70	4.5	4,114	36.2	880,411
08/01/14	11:30	8,592.0	42.0	20.5	15	2,050	45.6	536	997	70	4.5	4,799	34.4	880,456

Total Gallons Extracted **1,592**
Average Groundwater Flow Rate (gpm) **0.6317**

Notes:

Time	=	Time on a twenty-four hour clock.
Temp	=	Temperature
PID	=	Photo-ionization detector.
in Hg	=	Inches of mercury vacuum.
fpm	=	Feet per minute.
scfm	=	Standard cubic feet per minute.
deg C	=	Degrees Celsius.
deg F	=	Degrees Fahrenheit.
ppm	=	Parts per million.

TABLE 4
AIR SPARGE/DUAL-PHASE EXTRACTION EVENT - OBSERVATION WELL DATA
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Date	MW6B	MW6H	MW6Ka	MW6Kb	MW6La	MW6Lb
	Depth to Water (feet)					
07/28/14	12.43	11.54	12.35	12.22	Dry	12.57
08/01/14	12.54	12.55	Dry	12.20	Dry	12.85

TABLE 5
AIR SPARGE/DUAL-PHASE EXTRACTION EVENT - SOIL VAPOR ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Sample ID	Sampling Date	Sampling Time	TPHg (mg/m^3)	MTBE (mg/m^3)	B (mg/m^3)	T (mg/m^3)	E (mg/m^3)	X (mg/m^3)	1,2-DCA (mg/m^3)	EDB (mg/m^3)	TBA (mg/m^3)	DIPE (mg/m^3)	ETBE (mg/m^3)	TAME (mg/m^3)
V-INF-COMP-1	07/28/14	15:00	29,000	<1.8a	37a	6.5a	15a	30a	<0.51a	<0.96a	<3.8a	<2.1a	<2.1a	<2.1a
V-INF-COMP-2	07/28/14	18:00	610	<1.4	18	5.0	11	29	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
V-INF-COMP-3	07/29/14	9:00	630	<1.4	19	6.6	11	30	<0.40	<0.77	<3.0	<1.7	<1.7	<1.7
V-INF-COMP-1	07/29/14	18:30	6,200	<0.72a	13a	5.1a	6.2a	17a	<0.20a	<0.38a	<1.5a	<0.84a	<0.84a	<0.84a
V-INF-COMP-2	07/30/14	9:00	8,400	<0.72	19	7.6	8.7	24	<0.20	<0.38	<1.5	<0.84	<0.84	<0.84
V-INF-COMP-1	07/30/14	18:30	6,700	<0.29	20	13	14	51	<0.081	<0.15	<0.61	<0.33	<0.33	<0.33
V-INF-COMP-2	07/31/14	9:00	3,200	<0.72	13	7.8	11	38	0.66	<0.38	<1.5	<0.84	<0.84	<0.84
V-INF-COMP-1	07/31/14	16:00	6,100	<0.72	15	8.1	10	33	<0.20	<0.38	<1.5	<0.84	<0.84	<0.84
V-INF-COMP-2	08/01/14	7:00	7,400	<0.72	22	11	13	40	<0.20	<0.38	<1.5	<0.84	<0.84	<0.84
V-INF-COMP-3	08/01/14	11:30	6,400	<0.72	16	9.3	11	34	<0.20	<0.38	<1.5	<0.84	<0.84	<0.84
V-EFF	07/29/14	9:15	200	<0.0072	0.035	<0.019	0.0048	0.015	<0.0020	<0.0038	<0.015	<0.0084	<0.0084	<0.0084

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method TO-15M.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method TO-15M.
1,2-DCA	=	1,2-dibromoethane analyzed using EPA Method TO-15M.
EDB	=	1,2-dichloroethane analyzed using EPA Method TO-15M.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method TO-15M.
DIPE	=	Di-isopropyl ether analyzed using EPA Method TO-15M.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method TO-15M.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method TO-15M.
mg/m^3	=	Milligrams per cubic meter.
<	=	Less than the stated laboratory reporting limit.
a	=	Analyzed beyond the recommended hold time.

TABLE 6
AIR SPARGE/DUAL-PHASE EXTRACTION EVENT - GRAB GROUNDWATER ANALYTICAL RESULTS
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Extraction Well	Sample ID	Sampling Date	Sampling Time	TPHg (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)	MTBE (µg/L)	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	EDB (µg/L)	1,2-DCA (µg/L)	Ethanol (µg/L)
MW6B	W-MW6B	07/28/14	11:30	100a	<0.50	<0.50	<0.50	<0.50	26	16	2.1	<0.50	<0.50	<0.50	<0.50	<50
MW6H	W-MW6H	07/28/14	11:40	2,400	340	23	37	55	14	<50	<5.0	<5.0	<5.0	<5.0	<5.0	<500
MW6H	W-MW6H	08/01/14	12:30	23,000	2,200	1,400	1,400	6,900	97	<500	<50	<50	<50	<50	<50	<5,000
MW6Ka	W-MW6Ka	07/28/14	11:45	93,000	10,000	830	4,300	20,000	220	<1,000	<100	<100	<100	<100	<100	<10,000
MW6Kb	W-MW6Kb	07/28/14	11:50	700	55	<1.0	2.5	2.0	10	17	1.6	<1.0	<1.0	<1.0	<1.0	<100
MW6La	W-MW6La	07/28/14	---	Well dry.												
MW6Lb	W-MW6Lb	07/28/14	12:00	76a	0.53	<0.50	<0.50	3.3	0.75	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<50

Notes:

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes analyzed using EPA Method 8260B.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
TBA	=	Tertiary butyl alcohol analyzed using EPA Method 8260B.
DIPE	=	Di-isopropyl ether analyzed using EPA Method 8260B.
ETBE	=	Ethyl tertiary butyl ether analyzed using EPA Method 8260B.
TAME	=	Tertiary amyl methyl ether analyzed using EPA Method 8260B.
EDB	=	1,2-dibromoethane analyzed using EPA Method 8260B.
1,2-DCA	=	1,2-dichloroethane analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
<	=	Less than the stated laboratory reporting limit.
---	=	Not sampled.
a	=	Chromatographic pattern does not match that of the specified standard.

TABLE 7
AIR SPARGE/DUAL-PHASE EXTRACTION EVENT - VAPOR-PHASE HYDROCARBON REMOVAL
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

					Field Measurements				Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal	
Sample ID	Sampling Date	Sampling Time	LRP Hours	Elapsed Time	Temp (deg F)	Press ("H^2O)	Flow (scfm)	PID (ppmv)	TPHg (mg/m^3)	MTBE (mg/m^3)	Benzene (mg/m^3)	Period (pounds)	Cumulative (pounds)	Period (pounds)	Cumulative (pounds)	Period (pounds)	Cumulative (pounds)
V-INF-COMP-1	07/28/14	15:00	8,551.0	1.0	75	2	28.5	3,326	29,000	<1.8a	37a	0.051	0.051	<0.000	<0.000	0.000	0.000
V-INF-COMP-2	07/28/14	18:00	8,554.0	4.0	70	2	31.0	3,633	610	<1.4	18	4.936	4.987	<0.001	<0.001	0.009	0.009
V-INF-COMP-3	07/29/14	9:00	8,556.0	6.0	65	2	35.2	1,588	630	<1.4	19	0.153	5.140	<0.000	<0.001	0.005	0.014
V-INF-COMP-1	07/29/14	18:30	8,565.5	15.5	70	2	31.0	2,764	6,200	<0.72a	13a	4.010	9.151	<0.001	<0.002	0.019	0.033
V-INF-COMP-2	07/30/14	9:00	8,567.0	17.0	65	2	39.6	3,060	8,400	<0.72	19	1.445	10.596	<0.000	<0.002	0.003	0.036
V-INF-COMP-1	07/30/14	18:30	8,576.5	26.5	75	5.5	47.4	5,413	6,700	<0.29	20	11.671	22.267	<0.001	<0.003	0.030	0.066
V-INF-COMP-2	07/31/14	9:00	8,578.0	28.0	65	5	49.5	1,572	3,200	<0.72	13	1.345	23.612	<0.000	<0.003	0.004	0.070
V-INF-COMP-1	07/31/14	16:00	8,585.0	35.0	75	4.5	46.3	6,174	6,100	<0.72	15	5.827	29.439	<0.001	<0.004	0.018	0.088
V-INF-COMP-2	08/01/14	7:00	8,587.0	37.0	65	2.0	30.1	3,955	7,400	<0.72	22	1.929	31.368	<0.000	<0.004	0.005	0.093
V-INF-COMP-3	08/01/14	11:30	8,592.0	42.0	70	4.5	45.6	4,799	6,400	<0.72	16	4.886	36.254	<0.001	<0.005	0.013	0.107
										Total Removed:			**36.254**		**<0.005**		**0.107**

Notes: Removal rates are calculated using SOP-25: "Hydrocarbons Removed from A Vadose Well."

TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method TO-3M.
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method TO-15M.
Benzene	=	Benzene analyzed using EPA Method TO-15M.
deg F	=	Degrees Fahrenheit.
psi	=	Pounds per square inch.
in H2O	=	Inches of water column.
scfm	=	Standard cubic feet per minute.
mg/m^3	=	Milligrams per cubic meter.
ppmv	=	Parts per million by volume.
<	=	Less than the stated laboratory reporting limit.
a	=	Analyzed beyond the recommended hold time.

TABLE 8
AIR SPARGE/DUAL-PHASE EXTRACTION EVENT - DISSOLVED-PHASE HYDROCARBON REMOVAL
Former Exxon Service Station 70235
2225 Telegraph Avenue
Oakland, California

Extraction Well	Sampling Date	Sampling Time	Hours of Operation (hours)	Totalizer Reading (gallons)	Gallons Pumped (gallons)	Average Flow Rate (gpm)	Laboratory Analytical Results			TPHg Removal		MTBE Removal		Benzene Removal	
							TPHg (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)	Per Period (pounds)	Cumulative (pounds)
MW6H	07/28/14	11:40	0:00	878,867	0.0	---	2,400	14	340	0.000	0.000	0.000	0.000	0.000	0.000
MW6H	08/01/14	12:30	0:00	880,456	1,589	0.63	23,000	97	2,200	0.168	0.168	0.001	0.001	0.017	0.017
									Total Removed:		**0.168**		**0.001**		**0.017**

Notes:
TPHg = Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015B.
MTBE = Methyl tertiary butyl ether analyzed using EPA Method 8260B.
Benzene = Benzene analyzed using EPA Method 8260B.
gpm = Gallons per minute.
µg/L = Micrograms per liter.
< = Less than the stated laboratory reporting limit.
--- = Not measured.

APPENDIX A

CORRESPONDENCE

From: Nowell, Keith, Env. Health
Sent: Saturday, June 21, 2014 7:55 AM
To: 'Greg Gurss'
Cc: David R. Daniels; Roe, Dilan, Env. Health; Sedlachek, Jennifer C
Subject: RE: Former Exxon 70235, 2225 Telegraph Ave., Oakland, CA (County RO358)

Greg,

You are authorized to proceed with the work describe below at the subject site. Please include a description of the remedial activities and present recommendations with the third quarter groundwater monitoring event by September 30, 2014.

Regards,
Keith Nowell

Keith Nowell PG, CHG
Hazardous Materials Specialist
Alameda County Environmental Health
1131 Harbor Bay Parkway
Alameda , CA 94502-6540
phone: 510 / 567 - 6764
fax: 510 / 337 - 9335
email: keith.nowell@acgov.org

PDF copies of case files can be reviewed/downloaded at:

http://www.acgov.org/aceh/lop/ust.htm

From: Greg Gurss [mailto:greg.gurss@cardno.com]
Sent: Friday, June 20, 2014 3:17 PM
To: Nowell, Keith, Env. Health
Cc: David R. Daniels
Subject: Former Exxon 70235, 2225 Telegraph Ave., Oakland, CA (County RO358)

Keith:

Cardno ERI submitted Air Sparge/Dual-Phase Extraction Feasibility Testing Report dated February 26, 2014 and Semi-Annual Groundwater Monitoring Report, First Quarter 2014 dated March 12, 2014. In the Groundwater Monitoring Report, we recommended continued semi-annual groundwater monitoring and sampling and performing an additional AS/DPE event. The proposed work includes a week-long high-intensity targeted (HIT) AS/DPE event to further assess the effectiveness of AS/DPE at reducing petroleum concentrations in the subsurface. To date, we have not received any correspondence regarding the proposed work. We would like to schedule this work early in the 3rd quarter, so we can perform the required 3rd quarter groundwater monitoring and sampling event after the HIT event. Can we proceed with the proposed work? Thank you.

Greg Gurss
SR PROJECT MANAGER
CARDNO ERI

Phone (+1) 916-692-3100 **Fax** (+1) 707-789-0414 **Direct** (+1) 916-692-3130 **Mobile** (+1) 916-842-6486
Address 701 University Avenue, Suite 200, Sacramento, CA 95825
Email greg.gurss@cardno.com **Web** www.cardno.com www.cardnoeri.com

APPENDIX B

PROTOCOLS AND SOPs

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 record.

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 state-certified laboratory.

HYDROCARBON REMOVAL FROM A VADOSE WELL
SOP-25
Rev: JO'C

POUNDS OF HYDROCARBON IN A VAPOR STREAM

INPUT DATA:
1) Vapor flow rate acfm (usually by Pitot tube)
2) Vapor pressure at the flow measuring device (in inches of H_2O) (use {-} for vacuum)
3) Vapor temperature at the flow-measuring device.
4) Hydrocarbon content of vapor (usually in mg/M^3) for ppmv you need molecular weight.
5) Length of time (usually hours) over which flow rate occurred)

From periodic measurements, a calculation of total pounds of hydrocarbons removed from a well or from a system is calculated. The input data listed above are measured at a point in time. To calculate quantities removed, some assumptions must be made about what was happening between measurements. The following assumptions will be used for the sake of consistency:

ASSUMPTIONS:
1) Vapor flow for the period equals the average of the initial and final reading for the period.
2) Pressure and temperature for the entire period will be the final reading.
3) Hydrocarbon concentration for the period equals the average of the initial and final reading.
4) The hours of operation can be taken from an hour meter, an electric meter or will be assumed to be equal to the time between measurements.
5) If the unit is found down - try to determine how many hours it did operate and use the data taken for the previous period to make the calculations. Restart the unit and then take data to start the next period.

SAMPLE DATA AND CALCULATIONS

Date	Time	Temp deg F	Press in H_2O	HC conc mg/M3	Vapor flow acfm	Calc. lb. rem.
1/6/95	11:00	70	-46	2000	120	
1/7/95	13:00	55	-50	1350	90	
1/8/95	10:00	80	-13	750	100	7.4

Calculate the pounds of hydrocarbon removed from the system during the basis period from 13:00 (1:00 pm) on the 7th to 10 am on the 8th. Pressure and temperature of the measurements (at the flow meter) must be corrected to the P and T used to report the HC concentration (which are P = 1 atm and T = 70 deg F). 1 atm = 14.7psia, 760 mm Hg, or 407 in H_2O. T_{abs} = 460 + T deg F

Hours of operation = 21, T = 80, P = -13, HC = (1350+750)/2 = 1050 mg/M^3, Flow = 95

$$21 \times 60 \times 95 \times \frac{(460+70)}{(460+80)} \times \frac{(407-13)}{407} \times \frac{28.3}{1000} \times \frac{1050}{1000} \times \frac{1}{454} = 7.4 \text{ lb}$$

$$\frac{\text{hr}}{\text{basis}} \times \frac{\text{min}}{\text{hr}} \times \frac{\text{cu ft}}{\text{min}} \times T_{Corr} \times P_{Corr} \times \frac{M^3}{\text{cu ft}} \times \frac{\text{g}}{M^3} \times \frac{\text{lb}}{\text{g}} = \frac{\text{lb}}{\text{basis}}$$

$$21 \times 60 \times 95 \times 0.98 \times 0.97 \times 0.0283 \times 1.050 \times 1/454 = 7.4 \text{ lb.}$$

cumulative lbs. (the running total) = the sum of all the previous periods.
Note: If results are given in ppm, an assumption about the molecular weight of the hydrocarbon must be made to convert ppm into mg/M^3. ppmv x molecular wt. /24.1 = mg/M^3. (Use 102 for gasoline)

APPENDIX C

FIELD DATA SHEETS

Cardno ERI
Shaping the Future

Daily Field Report

Project ID #: 70235 ERI Job # 2229
Subject: Monitoring + Sampling Date: 8-28-14
Equipment Used: Sub pump, DTW Tape Sheet: 1 of 1
Name(s): Durin Einhell
Time Arrived On Site: Time Departed Site: Total Travel:

On site		700
H+S Meeting		700-715
Opened Wells		715-800
DTW on Wells		815-900
Decon Equipment / Setup Equip.		900-926
Purged Wells	MW6E, MW6I, RW2, MW6J, RW1, MW6H	927-1338
Sampled Wells	MW6E, MW6I, RW2, MW6J, RW1, MW6H (QCBB at 1445)	
off site		

Sampled MW6E out of order due to limited parking spaces and MW6I location on sidewalk

Decon Water - 18 gal.
Purge Water - 65 gal.
Total Water - 83 gal.

Total Water for Site:

36 - Decon Water
106 - Purge Water
142 - Total Water.

Daily Field Report

Cardno ERI

Cardno ERI
Shaping the Future

Project ID #: 70235 **Cardno ERI Job #** 2229

Subject: Monitor & Sampling **Date:** 8-28-14

Equipment Used: Sub Pump, DTW Tape **Sheet:** 1 of 1

Name(s): JOE LEWIS

Time Arrived On Site:	Time Departed Site:	Total Travel

On Site		700
H&S Meeting		700 - 715
Opened wells		715 - 800
DTW on wells		815 - 900
Decon Equipment, Set up Equipment		900 - 930
Purged wells	MW 6G, MW 6F, RW 3A, MW 6B, MW 6KB, MW 6LB	934 - 1438
Sampled wells	MW 6G, MW 6F, RW 3A, MW 6B, MW 6LB, MW 6LB	1010 - 1455
Off Site		1515

Sample well MW 6F out of order due to well being locked behind gate.

Helped Darin with well MW 6J from 1150 - 1215 due to well being located in street, need extra traffic control.

Decon water - 18 gal.
Purge water - 41 gal.
Total water - 59 gal.

Cardno ERI Groundwater M+S
Depth To Water

Case Volume= H(r^2x0.163)

H=Height of Water Column in Feet
r=Radius of well casing in inches

Common conversion factors:
2"=0.163, 4"=0.652, 6"=1.457

Project: 2229 | Location: 70235 | Date: 8-28-14 | Name: Darin Einhell

WELL ID	WELL DIAMETER inches	ODOR? SHEEN?	TOTAL DEPTH feet	Pre-Purge DTW feet	C.V. Gal. feet	80% r/chrg. DTW feet	COMMENTS
MW6F	4		19.45	14.15	3.45	15.21	slow recharge
MW6I	4		19.31	12.53	4.42	13.88	
MW6E	4		19.20	13.35	3.81	14.52	
MW6G	4		19.06	12.05	4.57	13.45	
MW6J	2		22.60	13.35	1.50	15.20	
RW2	4		23.45	12.77	6.96	14.91	
RW3A	4		16.30	13.65	1.72	14.18	
RW1	4		23.56	12.34	7.32	14.58	slow recharge
MW6B	2		18.30	12.76	0.90	13.86	
MW6Kb	2		18.51	12.55	0.97	13.75	
MW6Lb	2		17.81	13.05	0.77	14.00	
MW6H	4		19.50	12.11	4.81	13.58	
MW6La	4		—	—	—	—	dry @12.35
MW6Ka	4		—	—	—	—	dry @12.33

WATER SAMPLING SITE STATUS

Date: 8-28-14

Inspected by: Darin Einhell

ERI Job Number 2229 Station No. 70235 Site Address: 2225 Telegraph Ave Oakland, CA

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW6E	N	OK	OK	Y	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	2/2 bolts stripped
MW6I	OK	"	"	"	"	"	"	"	"	"	"	"	"	"	
RW2	OK			N											1/2 bolts missing
MW6J	N			Y											1 bolt missing
RW1	OK			"											
MW6H	"	"	"	"	"	"	"	"	"	"	"	"	"	"	

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffitti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

WATER SAMPLING SITE STATUS

Date: 8/28/14

Inspected by: JOE LEWIS

Cardno ERI Job No.: 2229 Station No.: 70235 Site Address: 2225 Telegraph Ave. Oakland

Well ID	Well Head Screws	Rubber Gasket	Well Cap Locking	Lock on Well Cap	Concrete Well Seal	Well Head PVC	Water in Well Vault	Tabs	Well Cover	Fence/Gate Condition	# Drums	Drum Contents	Building Condition	Site Appearance	Comments / Well Covers
	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	N/R/ok	Y / N	N/R/ok	N/R/ok	N/R/ok		s/w/e	g/v/o	N/R/ok	
MW6F	OK	OK	OK	OK	OK	OK	N	N	OK	NA	NA	NA	NA	OK	2/2 Tabs stripped
MW6G	OK	OK	OK	OK	OK	OK	N	N	OK	NA	NA	NA	NA	OK	2/2 Tabs stripped
RW3A	OK	OK	OK	OK	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	
MW6KA	OK	OK	OK	OK	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	
MW6LA	OK	OK	OK	OK	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	
MW6B	N	OK	OK	OK	OK	OK	N	N	OK	NA	NA	NA	NA	OK	2/2 bolts missing, broken screws in Tabs
MW6KB	OK	OK	OK	OK	OK	OK	N	OK	OK	NA	NA	NA	NA	OK	

N = Not repairable in time available-see comments.
R = Repaired-see comments
ok = No action needed.

Y = Yes.
N = No.

s = Soil.
w = Water.
e = Empty.

g = Graffiti on walls.
v = Vagrants (or evidence of).
o = Open (not secured).

GROUNDWATER SAMPLING FIELD LOG

Client Name: EXXON MOBIL Cardno ERI Job #: 2229 Date: 8-28-14 Page 1 of 1

Location: 70235 Field Cleaning Performed: _____ Case Volume = (TD - DTW) x F where F =

Field Crew: Darin Einhell Analysis: _____

0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diamter well casing
1.457 for 6" inside-diamter well casing

Well ID	Time	Case Volume	Purge Volume	Temp	Cond	pH	Post-Purge DTW	80% Recharge	BB	40mil	Amber	DO	ORP	Comments Well Box Condition
MW6E	927	3.81					14.43	Y						Dry @ 6 gal
	930	4	4	18.7	294	6.67	W - 14 - MW6E @ 1000							
			8											
			12											
MW6I	1013	4.42					13.80	Y						Dry @ 9 gal
	1017	5	5	20.3	181.7	6.43	W - 14 - MW6I @ 1050							
			10											
			15											
RW2	1057	6.96					13.0	Y						Dry @ 19 gal
	1102	7	7	20.1	323	6.94	W - 13 - RW2 @ 1250							
	1110		14	19.7	341	6.85								
			21											
MW6J	1150	1.50					15.12	Y						
	1151	2	2	21.2	338	6.97	W - 15 - MW6J @ 1215							
	1152		4	19.7	352	7.03								
	1154		6	19.8	331	7.13								
RW1	1301	7.31					14.52	Y						Dry @ 10 gal
	1308	8	8	22.6	348	7.19	W - 15 - RW1 @ 1345							
			16											
			24											
MW6H	1322	4.81					12.34	Y						
	1327	5	5	23.0	350	6.93	W - 12 - MW6H @ 1415							
	1333		10	22.7	345	6.85								
	1338		15	23.1	343	7.05								
							QCBB @ 1445							

GROUNDWATER SAMPLING FIELD LOG

Client Name: Exxon mob:l
Cardno ERI Job #: 2229
Date: 8/28/14 Page 1 of 1

Location: 70235
Field Cleaning Performed:
Case Volume = (TD - DTW) x F where F =

Field Crew: JOE LEWIS
Analysis:

0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diamter well casing
1.457 for 6" inside-diamter well casing

Well ID	Time	Case Volume	Purge Volume	Temp	Cond	pH	Post-Purge DTW	80% Recharge	BB	40mil	Amber	DO	ORP	Comments Well Box Condition
MW6G	0934	4.57	5				13.35	y						
	0940		5	15.2	192.5	7.58	W-13-MW6G@ 1010							
	0945		10	15.1	195.4	7.46								
	0950		15	15.0	199.8	7.48								
MW6F	1041	3.45	4				15.20	y						Well Purged Slow on
	1045		4	12.3	155.0	7.84								last case volume.
	1049		8	12.2	151.0	7.79	W-15-MW6F@ 1120							Slow recharge.
	1054		12	12.9	145.9	7.68								
RW3A	1238	1.72	2				14.17	y						
	1240		2	15.4	191.3	7.50								
	1242		4	15.2	187.0	7.33	W-14-RW 3A @ 1305							
	1244		6	15.2	184.3	7.21								
MW6B	1323	0.90	1				13.94	y						
	1324		1	16.9	288	7.35								
	1325		2	16.5	280	7.32	W-13-MW6B@ 1340							
	1326		3	16.1	272	7.30								
MW6KB	1403	0.97	1				13.74	y						
	1404		1	16.6	312	7.60								
	1405		2	15.9	300	7.50	W-13-MW6KB@ 1420							
	1406		3	15.6	283	7.45								
MW6LB	1436	0.77	1				14.00	y						Dry @ 2 gals.
	1437		1	16.1	280	7.98								
	1438		2	15.4	269	7.84	W-14-MW6LB@ 1455							
			3											

APPENDIX D

LABORATORY ANALYTICAL REPORTS

eurofins | Calscience

WORK ORDER NUMBER: 14-08-2335

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For
Client: Cardno ERI
Client Project Name: ExxonMobil 70235/022229C
Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
SEP 1 1 2014

BY: .....

Approved for release on 09/11/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

eurofins | Calscience

Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-08-2335

eurofins | Calscience

Work Order Narrative

Work Order: 14-08-2335

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/30/14. They were assigned to Work Order 14-08-2335.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client: Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Work Order: 14-08-2335
Project Name: ExxonMobil 70235/022229C
PO Number: 022229C
Date/Time Received: 08/30/14 09:20
Number of Containers: 98

Attn: Greg Gurss

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
QCBB	14-08-2335-1	08/28/14 14:45	2	Aqueous
W-13-MW6B	14-08-2335-2	08/28/14 13:40	8	Aqueous
W-14-MW6E	14-08-2335-3	08/28/14 10:00	8	Aqueous
W-15-MW6F	14-08-2335-4	08/28/14 11:20	8	Aqueous
W-13-MW6G	14-08-2335-5	08/28/14 10:10	8	Aqueous
W-12-MW6H	14-08-2335-6	08/28/14 14:15	8	Aqueous
W-14-MW6I	14-08-2335-7	08/28/14 10:50	8	Aqueous
W-15-MW6J	14-08-2335-8	08/28/14 12:15	8	Aqueous
W-15-RW1	14-08-2335-9	08/28/14 13:45	8	Aqueous
W-13-RW2	14-08-2335-10	08/28/14 12:50	8	Aqueous
W-14-RW3A	14-08-2335-11	08/28/14 13:05	8	Aqueous
W-13-MW6Kb	14-08-2335-12	08/28/14 14:20	8	Aqueous
W-14-MW6Lb	14-08-2335-13	08/28/14 14:55	8	Aqueous

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6B	**14-08-2335-2-G**	**08/28/14 13:40**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 00:45**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6E	**14-08-2335-3-G**	**08/28/14 10:00**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:01**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6F	**14-08-2335-4-G**	**08/28/14 11:20**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:17**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6G	**14-08-2335-5-G**	**08/28/14 10:10**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:33**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6H	**14-08-2335-6-G**	**08/28/14 14:15**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:49**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6I	**14-08-2335-7-G**	**08/28/14 10:50**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:05**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6J	**14-08-2335-8-G**	**08/28/14 12:15**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:21**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-RW1	**14-08-2335-9-G**	**08/28/14 13:45**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:37**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-RW2	**14-08-2335-10-G**	**08/28/14 12:50**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:53**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	470	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	83	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-RW3A	**14-08-2335-11-G**	**08/28/14 13:05**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 03:09**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6Kb	**14-08-2335-12-G**	**08/28/14 14:20**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 03:57**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6Lb	**14-08-2335-13-G**	**08/28/14 14:55**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 04:14**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-278-706**	**N/A**	**Aqueous**	**GC 48**	**09/02/14**	**09/02/14 23:25**	**140902B16**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	ND	250	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6B	**14-08-2335-2-G**	**08/28/14 13:40**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 00:45**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	105	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6E	**14-08-2335-3-G**	**08/28/14 10:00**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:01**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6F	**14-08-2335-4-G**	**08/28/14 11:20**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:17**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	90	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6G	**14-08-2335-5-G**	**08/28/14 10:10**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:33**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	103	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6H	**14-08-2335-6-G**	**08/28/14 14:15**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 01:49**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	400	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	95	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6I	**14-08-2335-7-G**	**08/28/14 10:50**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:05**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	97	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6J	**14-08-2335-8-G**	**08/28/14 12:15**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:21**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	SG

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-RW1	**14-08-2335-9-G**	**08/28/14 13:45**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:37**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	430	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	89	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-RW2	**14-08-2335-10-G**	**08/28/14 12:50**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 02:53**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	620	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	83	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-RW3A	**14-08-2335-11-G**	**08/28/14 13:05**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 03:09**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	83	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	98	68-140	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6Kb	**14-08-2335-12-G**	**08/28/14 14:20**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 03:57**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	330	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	81	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6Lb	**14-08-2335-13-G**	**08/28/14 14:55**	**Aqueous**	**GC 48**	**09/02/14**	**09/03/14 04:14**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	110	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	87	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-304-809**	**N/A**	**Aqueous**	**GC 48**	**09/02/14**	**09/02/14 23:25**	**140902B15**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	96	68-140	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6B	**14-08-2335-2-E**	**08/28/14 13:40**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 12:15**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	120	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6E	**14-08-2335-3-E**	**08/28/14 10:00**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 13:55**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6F	**14-08-2335-4-E**	**08/28/14 11:20**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 14:29**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6G	**14-08-2335-5-E**	**08/28/14 10:10**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 15:02**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	82	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6H	**14-08-2335-6-E**	**08/28/14 14:15**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 15:35**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2200	100	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	46	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6I	**14-08-2335-7-E**	**08/28/14 10:50**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 16:09**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	85	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6J	**14-08-2335-8-E**	**08/28/14 12:15**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 16:42**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-RW1	**14-08-2335-9-E**	**08/28/14 13:45**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 17:15**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2700	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	152	38-134	AZ

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-RW2	**14-08-2335-10-E**	**08/28/14 12:50**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 17:49**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	1000	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	113	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-RW3A	**14-08-2335-11-E**	**08/28/14 13:05**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 18:22**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	630	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	08/30/14
601 North McDowell Blvd.		Work Order:	14-08-2335
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6Kb	**14-08-2335-12-E**	**08/28/14 14:20**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 19:29**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	570	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	38-134	

W-14-MW6Lb	**14-08-2335-13-E**	**08/28/14 14:55**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 20:02**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	260	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	38-134	

Method Blank	**099-12-436-9544**	**N/A**	**Aqueous**	**GC 25**	**09/04/14**	**09/04/14 11:08**	**140904L039**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	83	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6B	**14-08-2335-2-F**	**08/28/14 13:40**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 12:31**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	3.4	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6E	**14-08-2335-3-D**	**08/28/14 10:00**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 13:04**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6F	**14-08-2335-4-D**	**08/28/14 11:20**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 13:37**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6G	**14-08-2335-5-D**	**08/28/14 10:10**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 14:10**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6H	**14-08-2335-6-D**	**08/28/14 14:15**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 14:43**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	410	0.50	1.00	
Toluene	37	0.50	1.00	
Ethylbenzene	45	0.50	1.00	
p/m-Xylene	110	1.0	1.00	
o-Xylene	27	0.50	1.00	
Xylenes (total)	130	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	110	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6I	**14-08-2335-7-D**	**08/28/14 10:50**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 16:23**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6J	**14-08-2335-8-D**	**08/28/14 12:15**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 16:56**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-RW1	**14-08-2335-9-D**	**08/28/14 13:45**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 17:29**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	52	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	116	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-RW2	**14-08-2335-10-F**	**08/28/14 12:50**	**Aqueous**	**GC 21**	**09/03/14**	**09/03/14 12:36**	**140903L030**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-RW3A	**14-08-2335-11-D**	**08/28/14 13:05**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 21:20**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	320	0.50	1.00	
Toluene	4.0	0.50	1.00	
Ethylbenzene	1.5	0.50	1.00	
p/m-Xylene	4.8	1.0	1.00	
o-Xylene	0.72	0.50	1.00	
Xylenes (total)	5.5	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6Kb	**14-08-2335-12-D**	**08/28/14 14:20**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 22:26**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	38	0.50	1.00	
Toluene	1.6	0.50	1.00	
Ethylbenzene	3.0	0.50	1.00	
p/m-Xylene	2.1	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	2.1	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6Lb	**14-08-2335-13-D**	**08/28/14 14:55**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 23:32**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	12	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	1.8	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	1.8	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	70-130	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8021B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-667-2114**	**N/A**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 11:58**	**140902L011**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	70-130	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-667-2115**	**N/A**	**Aqueous**	**GC 21**	**09/03/14**	**09/03/14 11:59**	**140903L030**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
p/m-Xylene	ND	1.0	1.00	
o-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	70-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6B	**14-08-2335-2-A**	**08/28/14 13:40**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 18:12**	**140903L048**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	26	0.50	1.00	
Tert-Butyl Alcohol (TBA)	10	5.0	1.00	
Diisopropyl Ether (DIPE)	1.9	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	90	68-120	
Dibromofluoromethane	112	80-127	
1,2-Dichloroethane-d4	110	80-128	
Toluene-d8	107	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6E	**14-08-2335-3-A**	**08/28/14 10:00**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 22:19**	**140902L008**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	68-120	
Dibromofluoromethane	107	80-127	
1,2-Dichloroethane-d4	113	80-128	
Toluene-d8	106	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6F	**14-08-2335-4-A**	**08/28/14 11:20**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 22:47**	**140902L008**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	86	68-120	
Dibromofluoromethane	114	80-127	
1,2-Dichloroethane-d4	116	80-128	
Toluene-d8	107	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6I	**14-08-2335-7-A**	**08/28/14 10:50**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 18:41**	**140903L048**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	68-120	
Dibromofluoromethane	112	80-127	
1,2-Dichloroethane-d4	115	80-128	
Toluene-d8	107	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-MW6J	**14-08-2335-8-A**	**08/28/14 12:15**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 19:09**	**140903L048**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	6.9	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-120	
Dibromofluoromethane	118	80-127	
1,2-Dichloroethane-d4	122	80-128	
Toluene-d8	107	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-RW2	**14-08-2335-10-A**	**08/28/14 12:50**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 19:37**	**140903L048**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	9.9	0.50	1.00	
Tert-Butyl Alcohol (TBA)	8.3	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	107	68-120	
Dibromofluoromethane	104	80-127	
1,2-Dichloroethane-d4	111	80-128	
Toluene-d8	110	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6Kb	**14-08-2335-12-B**	**08/28/14 14:20**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 20:59**	**140905L042**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	18	0.50	1.00	
Tert-Butyl Alcohol (TBA)	9.9	5.0	1.00	
Diisopropyl Ether (DIPE)	2.0	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	103	80-127	
1,2-Dichloroethane-d4	111	80-128	
Toluene-d8	99	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-MW6Lb	**14-08-2335-13-B**	**08/28/14 14:55**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 21:27**	**140905L042**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	5.6	0.50	1.00	
Tert-Butyl Alcohol (TBA)	9.7	5.0	1.00	
Diisopropyl Ether (DIPE)	2.6	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	99	80-127	
1,2-Dichloroethane-d4	105	80-128	
Toluene-d8	102	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-1277**	**N/A**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 14:41**	**140902L008**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-120	
Dibromofluoromethane	107	80-127	
1,2-Dichloroethane-d4	106	80-128	
Toluene-d8	103	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-1279**	**N/A**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 13:28**	**140903L048**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-120	
Dibromofluoromethane	115	80-127	
1,2-Dichloroethane-d4	110	80-128	
Toluene-d8	106	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-1280**	**N/A**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 11:26**	**140905L042**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	
Dibromofluoromethane	102	80-127	
1,2-Dichloroethane-d4	99	80-128	
Toluene-d8	102	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-13-MW6G	**14-08-2335-5-A**	**08/28/14 10:10**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 23:15**	**140902L028**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	1.1	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	68-120	
Dibromofluoromethane	113	80-127	
1,2-Dichloroethane-d4	114	80-128	
Toluene-d8	106	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-12-MW6H	**14-08-2335-6-A**	**08/28/14 14:15**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 23:44**	**140902L028**

Comment(s): - BH Reporting limits raised due to high level of non-target analytes.

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10	20.0	
Tert-Butyl Alcohol (TBA)	ND	100	20.0	
Diisopropyl Ether (DIPE)	ND	10	20.0	
Ethyl-t-Butyl Ether (ETBE)	ND	10	20.0	
Tert-Amyl-Methyl Ether (TAME)	ND	10	20.0	
Ethanol	ND	1000	20.0	
1,2-Dibromoethane	ND	10	20.0	
1,2-Dichloroethane	ND	10	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	68-120	
Dibromofluoromethane	111	80-127	
1,2-Dichloroethane-d4	106	80-128	
Toluene-d8	105	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-15-RW1	**14-08-2335-9-A**	**08/28/14 13:45**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/03/14 00:12**	**140902L028**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	3.4	0.50	1.00	
Tert-Butyl Alcohol (TBA)	26	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	107	68-120	
Dibromofluoromethane	97	80-127	
1,2-Dichloroethane-d4	94	80-128	
Toluene-d8	113	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-14-RW3A	**14-08-2335-11-A**	**08/28/14 13:05**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/03/14 00:40**	**140902L028**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	2.3	0.50	1.00	
Tert-Butyl Alcohol (TBA)	46	5.0	1.00	
Diisopropyl Ether (DIPE)	4.7	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-120	
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	101	80-128	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-1194**	**N/A**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 14:41**	**140902L028**

Parameter	Result	RL	DF	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	68-120	
Dibromofluoromethane	107	80-127	
1,2-Dichloroethane-d4	106	80-128	
Toluene-d8	103	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	08/30/14
601 North McDowell Blvd.		Work Order:	14-08-2335
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-13-MW6B	Sample	Aqueous	GC 25	09/04/14	09/04/14 12:15	140904S020
W-13-MW6B	Matrix Spike	Aqueous	GC 25	09/04/14	09/04/14 12:48	140904S020
W-13-MW6B	Matrix Spike Duplicate	Aqueous	GC 25	09/04/14	09/04/14 13:22	140904S020

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	119.0	2000	2148	101	2134	101	68-122	1	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
Project: ExxonMobil 70235/022229C		Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-15-MW6F	**Sample**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 13:37**	**140902S030**
W-15-MW6F	**Matrix Spike**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 18:35**	**140902S030**
W-15-MW6F	**Matrix Spike Duplicate**	**Aqueous**	**GC 21**	**09/02/14**	**09/02/14 19:08**	**140902S030**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	100.0	96.68	97	105.8	106	57-129	9	0-23	
Toluene	ND	100.0	96.64	97	104.5	104	50-134	8	0-26	
Ethylbenzene	ND	100.0	95.28	95	103.3	103	58-130	8	0-26	
p/m-Xylene	ND	200.0	192.6	96	208.1	104	58-130	8	0-28	
o-Xylene	ND	100.0	94.46	94	101.9	102	57-123	8	0-26	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8021B
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Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-13-RW2	Sample	Aqueous	GC 21	09/03/14	09/03/14 12:36	140903S011
W-13-RW2	Matrix Spike	Aqueous	GC 21	09/03/14	09/03/14 15:05	140903S011
W-13-RW2	Matrix Spike Duplicate	Aqueous	GC 21	09/03/14	09/03/14 15:38	140903S011

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	100.0	105.1	105	107.3	107	57-129	2	0-23	
Toluene	ND	100.0	101.8	102	103.6	104	50-134	2	0-26	
Ethylbenzene	ND	100.0	99.77	100	101.6	102	58-130	2	0-26	
p/m-Xylene	ND	200.0	200.9	100	204.0	102	58-130	2	0-28	
o-Xylene	ND	100.0	100.7	101	102.2	102	57-123	1	0-26	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 70235/022229C

Date Received: 08/30/14
Work Order: 14-08-2335
Preparation: EPA 5030C
Method: EPA 8260B

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-08-2274-2	**Sample**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 15:38**	**140902S002**
14-08-2274-2	**Matrix Spike**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 16:38**	**140902S002**
14-08-2274-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 17:06**	**140902S002**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.730	97	10.58	106	57-144	8	0-31	
Tert-Butyl Alcohol (TBA)	ND	50.00	67.60	135	52.59	105	43-170	25	0-38	
Diisopropyl Ether (DIPE)	ND	10.00	9.536	95	9.899	99	70-130	4	0-35	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	8.715	87	9.234	92	70-130	6	0-35	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	8.589	86	9.180	92	70-130	7	0-35	
1,2-Dibromoethane	ND	10.00	9.771	98	10.33	103	74-130	6	0-22	
1,2-Dichloroethane	ND	10.00	9.779	98	9.964	100	72-130	2	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: ExxonMobil 70235/022229C		Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0016-2	**Sample**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 14:25**	**140903S002**
14-09-0016-2	**Matrix Spike**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 16:18**	**140903S002**
14-09-0016-2	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 16:47**	**140903S002**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.733	97	10.30	103	57-144	6	0-31	
Tert-Butyl Alcohol (TBA)	ND	50.00	56.64	113	52.16	104	43-170	8	0-38	
Diisopropyl Ether (DIPE)	ND	10.00	10.42	104	10.91	109	70-130	5	0-35	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.299	93	9.772	98	70-130	5	0-35	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	8.435	84	8.696	87	70-130	3	0-35	
1,2-Dibromoethane	ND	10.00	9.663	97	10.04	100	74-130	4	0-22	
1,2-Dichloroethane	ND	10.00	10.28	103	10.16	102	72-130	1	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: ExxonMobil 70235/022229C		Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-09-0155-8	**Sample**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 12:23**	**140905S009**
14-09-0155-8	**Matrix Spike**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 12:52**	**140905S009**
14-09-0155-8	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 13:20**	**140905S009**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	ND	10.00	10.22	102	9.955	100	57-144	3	0-31	
Tert-Butyl Alcohol (TBA)	ND	50.00	54.75	109	51.93	104	43-170	5	0-38	
Diisopropyl Ether (DIPE)	ND	10.00	10.19	102	10.15	101	70-130	0	0-35	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.946	99	10.43	104	70-130	5	0-35	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.403	94	9.537	95	70-130	1	0-35	
1,2-Dibromoethane	ND	10.00	9.777	98	9.805	98	74-130	0	0-22	
1,2-Dichloroethane	ND	10.00	10.12	101	10.67	107	72-130	5	0-25	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI	Date Received: 08/30/14
601 North McDowell Blvd.	Work Order: 14-08-2335
Petaluma, CA 94954-2312	Preparation: EPA 3510C
	Method: EPA 8015B (M)
Project: ExxonMobil 70235/022229C	Page 1 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-278-706	LCS	Aqueous	GC 48	09/02/14	09/03/14 00:13	140902B16
099-15-278-706	LCSD	Aqueous	GC 48	09/02/14	09/03/14 00:29	140902B16

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	2000	1701	85	1728	86	75-117	2	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI	Date Received: 08/30/14
601 North McDowell Blvd.	Work Order: 14-08-2335
Petaluma, CA 94954-2312	Preparation: EPA 3510C
	Method: EPA 8015B (M)
Project: ExxonMobil 70235/022229C	Page 2 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-809	LCS	Aqueous	GC 48	09/02/14	09/02/14 23:41	140902B15
099-15-304-809	LCSD	Aqueous	GC 48	09/02/14	09/02/14 23:57	140902B15

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	1515	76	1563	78	75-117	3	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C		Page 3 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9544	LCS	Aqueous	GC 25	09/04/14	09/04/14 11:42	140904L039

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	2006	100	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8021B
Project: ExxonMobil 70235/022229C		Page 4 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-667-2114	LCS	Aqueous	GC 21	09/02/14	09/02/14 10:51	140902L011

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	100.0	97.18	97	70-118	
Toluene	100.0	96.15	96	66-114	
Ethylbenzene	100.0	94.89	95	72-114	
p/m-Xylene	200.0	192.2	96	74-116	
o-Xylene	100.0	93.73	94	72-114	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/30/14
601 North McDowell Blvd.		Work Order:	14-08-2335
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8021B
Project: ExxonMobil 70235/022229C			Page 5 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-667-2115	**LCS**	**Aqueous**	**GC 21**	**09/03/14**	**09/03/14 10:53**	**140903L030**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Benzene	100.0	93.44	93	70-118	
Toluene	100.0	93.24	93	66-114	
Ethylbenzene	100.0	94.08	94	72-114	
p/m-Xylene	200.0	191.1	96	74-116	
o-Xylene	100.0	95.41	95	72-114	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: ExxonMobil 70235/022229C		Page 6 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-880-1277	**LCS**	**Aqueous**	**GC/MS L**	**09/02/14**	**09/02/14 13:36**	**140902L008**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	10.46	105	75-123	
Tert-Butyl Alcohol (TBA)	50.00	47.25	94	80-120	
Diisopropyl Ether (DIPE)	10.00	9.798	98	73-121	
Ethyl-t-Butyl Ether (ETBE)	10.00	9.313	93	76-124	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.240	92	80-120	
1,2-Dibromoethane	10.00	10.29	103	80-120	
1,2-Dichloroethane	10.00	9.651	97	80-122	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI	Date Received:	08/30/14
601 North McDowell Blvd.	Work Order:	14-08-2335
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
Project: ExxonMobil 70235/022229C		Page 7 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-880-1279	**LCS**	**Aqueous**	**GC/MS L**	**09/03/14**	**09/03/14 12:14**	**140903L048**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	10.67	107	75-123	
Tert-Butyl Alcohol (TBA)	50.00	49.39	99	80-120	
Diisopropyl Ether (DIPE)	10.00	10.90	109	73-121	
Ethyl-t-Butyl Ether (ETBE)	10.00	9.946	99	76-124	
Tert-Amyl-Methyl Ether (TAME)	10.00	8.730	87	80-120	
1,2-Dibromoethane	10.00	9.970	100	80-120	
1,2-Dichloroethane	10.00	10.01	100	80-122	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/30/14
601 North McDowell Blvd.		Work Order:	14-08-2335
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 8 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-880-1280	**LCS**	**Aqueous**	**GC/MS L**	**09/05/14**	**09/05/14 10:20**	**140905L042**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	9.770	98	75-123	
Tert-Butyl Alcohol (TBA)	50.00	45.82	92	80-120	
Diisopropyl Ether (DIPE)	10.00	10.10	101	73-121	
Ethyl-t-Butyl Ether (ETBE)	10.00	10.08	101	76-124	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.740	97	80-120	
1,2-Dibromoethane	10.00	10.06	101	80-120	
1,2-Dichloroethane	10.00	10.66	107	80-122	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/30/14
601 North McDowell Blvd.		Work Order:	14-08-2335
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 9 of 9

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1194	LCS	Aqueous	GC/MS L	09/02/14	09/02/14 13:36	140902L028

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Methyl-t-Butyl Ether (MTBE)	10.00	10.46	105	75-123	
Tert-Butyl Alcohol (TBA)	50.00	47.25	94	80-120	
Diisopropyl Ether (DIPE)	10.00	9.798	98	73-121	
Ethyl-t-Butyl Ether (ETBE)	10.00	9.313	93	76-124	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.240	92	80-120	
Ethanol	100.0	115.3	115	73-133	
1,2-Dibromoethane	10.00	10.29	103	80-120	
1,2-Dichloroethane	10.00	9.651	97	80-122	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-08-2335 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Sandy Tat

From: Azat Magdanov (Petaluma) <azat.magdanov@cardno.com>
Sent: Wednesday, September 03, 2014 12:51 PM
To: Sandy Tat
Cc: David R. Daniels
Subject: RE: ExxonMobil 70235/022229C (14-08-2335)
Attachments: 2229_20140903124530.pdf

Hi, Sandy,

Corrected COC is attached.
Sample names:
#12 **W-13-MW6Kb @ 1420,**
#13 **W-14-MW6Lb @ 1455.**

Both 08/28/2014.

Best regards,

Azat R. Magdanov
SR. STAFF SCIENTIST
MONITORING AND SAMPLING MANAGER
CARDNO ERI

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Mobile (+1) 707-304-2306
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email azat.magdanov@cardno.com Web www.cardno.com www.cardnoeri.com

From: David R. Daniels
Sent: Wednesday, September 03, 2014 12:14 PM
To: Azat Magdanov (Petaluma)
Subject: Fwd: ExxonMobil 70235/022229C (14-08-2335)

Sent from my mobile device

Begin forwarded message:

> **From:** Sandy Tat <SandyTat@eurofinsUS.com>
> **Date:** September 3, 2014 at 12:12:28 PM PDT
> **To:** "David Daniels (david.daniels@cardno.com)" <david.daniels@cardno.com>
> **Subject: ExxonMobil 70235/022229C (14-08-2335)**

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Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

2335

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N. McDowell Boulevard | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, California, 94954 | **Report To:** Greg Gurss
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2229 C
Consultant Project Mgr: Greg Gurss | **ExxonMobil Site #:** 70235 | **Major Project (AFE):**
Consultant Telephone Number: 707-766-2000 | **Fax No.:** 707-789-0414 | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): Darin Eichelll | **Site City, State, Zip:** Oakland, California
Sampler Signature: Darin Eichelll | **Oversight Agency:** Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	Ethanol 8260B	TPHd 8015B	TPHmo 8015B	TDS 160.1	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
~~11~~	~~W-12-MW6Kb~~	~~MW6Kb~~			~~8~~						~~6V~~					~~6V/2A~~			~~x~~							~~x~~	~~x~~	~~x~~		~~x~~	~~x~~				~~x~~	
~~12~~	~~W-13-MW6Lb~~	~~MW6Lb~~			~~8~~						~~6V~~					~~6V/2A~~			~~x~~							~~x~~	~~x~~	~~x~~		~~x~~	~~x~~				~~x~~	
12	W-13-MW6Kb	MW6Kb	8-28-14	1420	8						6V					6V/2A			x							x	x	x		x	x				X	
13	W-14-MW6Lb	MW6Lb	↓	1455	8						6V					6V/2A			x							x	x	x		x	x				X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
erocallabs@eri-us.com
GLOBAL ID # T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

		Date	Time		Date	Time
Relinquished by: Darin Eichelll		8/29/14	1215	Received by: Tom O'Malley ECI	8/29/14	1215
Relinquished by: Tom O'Malley ECI 650		8/29/14	1730	Received by (Lab personnel): ECI	8/30/14	0920

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

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Eurofins Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

14-08-2335

Consultant Name: Cardno ERI
Consultant Address: 601 N. McDowell Boulevard
Consultant City/State/Zip: Petaluma, California, 94954
ExxonMobil Project Mgr: Jennifer Sedlachek
Consultant Project Mgr: Greg Gurss
Consultant Telephone Number: 707-766-2000 **Fax No.:** 707-789-0414
Sampler Name (Print): Darin Einhell
Sampler Signature:

Account #: NA **PO#:** Direct Bill Cardno ERI
Invoice To: Direct Bill Cardno ERI
Report To: Greg Gurss
Project Name: 02 2229 C
ExxonMobil Site #: 70235 **ajor Project (AFE:**
Site Address: 2225 Telegraph Avenue
Site City, State, Zip: Oakland, California
Oversight Agency: Alameda County Environmental Health Department

	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	Ethanol 8260B	TPHd 8015B	TPHmo 8015B	TDS 160.1		RUSH TAT (Pre-Schedule	5-day TAT	Standard 10-day TAT	Due Date of Report
1	QCBB	QCBB	8-28-14	1445	2						2V														x	H	O	L	D								
2	W- 13 -MW6B	MW6B		1340	8						6V					6V/2A			x							x	x	x		x	x					X	
3	W- 14 -MW6E	MW6E		1000	8						6V					6V/2A			x							x	x	x		x	x					X	
4	W- 15 -MW6F	MW6F		1120	8						6V					6V/2A			x							x	x	x		x	x					X	
5	W- 13 -MW6G	MW6G		1010	8						6V					6V/2A			x							x	x	x	x	x	x					X	
6	W- 12 -MW6H	MW6H		1415	8						6V					6V/2A			x							x	x	x	x	x	x					X	
7	W- 14 -MW6I	MW6I		1050	8						6V					6V/2A			x							x	x	x		x	x					X	
8	W- 15 -MW6J	MW6J		1215	8						6V					6V/2A			x							x	x	x		x	x					X	
9	W- 15 -RW1	RW1		1215	8						6V					6V/2A			x							x	x	x	x	x	x					X	
10	W- 13 -RW2	RW2		1250	8						6V					6V/2A			x							x	x	x		x	x					X	
11	W- 14 -RW3A	RW3A	↓	1305	8						6V					6V/2A			x							x	x	x	x	x	x					X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com
GLOBAL ID # T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica
Project Manager or attach specific instructions

Relinquished by:		Date	Time	Received by:	Date	Time
Darin Einhell		8/29/14	1215	Tom O'Malley ECI	8/29/14	1215
Tom O'Malley TO 680		8/29/14	1730		8/30/14	0920

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Eurofins Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

2395

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N. McDowell Boulevard | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, California, 94954 | **Report To:** Greg Gurss
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2229 C
Consultant Project Mgr: Greg Gurss | **ExxonMobil Site #:** 70235 | **Major Project (AFE):**
Consultant Telephone Number: 707-766-2000 | **Fax No.:** 707-789-0414 | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): Darin Eichelt | **Site City, State, Zip:** Oakland, California
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	Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHg 8015B	BTEX 8021B	OXYGENATES 8260B	Ethanol 8260B	TPHd 8015B	TPHmo 8015B	TDS 160.1		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
~~12~~	~~W-12-MW6Ka~~	~~MW6Ka~~			~~8~~						~~6V~~					~~6V/2A~~			~~x~~							~~x~~	~~x~~	~~x~~		~~x~~	~~x~~					~~X~~	
~~13~~	~~W-13-MW6Lb~~	~~MW6Lb~~			~~8~~						~~6V~~					~~6V/2A~~			~~x~~							~~x~~	~~x~~	~~x~~		~~x~~	~~x~~					~~X~~	
12	W-13-MW6Kb	MW6Kb	8-28-14	1420	8						6V					6V/2A			x							x	x	x		x	x					X	
13	W- MW6Lb	MW6Lb	↓	1455	8						6V					6V/2A			x							x	x	x		x	x					X	

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com
GLOBAL ID # T0600101354

Use silica gel cleanup on all TPHd analyses
7 CA Oxys= MTBE, ETBE, TAME, TBA, EDB, 1,2-DCA, DIPE.
Set TBA detection limit at or below 12 ug/L

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ TestAmerica Project Manager or attach specific instructions

		Date	Time		Date	Time
Relinquished by: Darin Eichelt		8/29/14	1215	Received by: Tom O'Malley ECI	8/29/14	1215
Relinquished by: Tom O'Malley ECI		8/29/14	1730	Received by (Lab personnel): ECI	8/30/14	920

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GSO

< WebShip > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI. PHILLIPS 66

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525517812

SDS

ORC

A

GARDEN GROVE

D92845A

28190928

Print Date : 08/29/14 15:40 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-08-2 3 3 5

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 08/30/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.8 °C - 0.3 °C (CF) = 2.5 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: SD2

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: SD2

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: 739

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☑500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** 739

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** 681

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** 681

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WORK ORDER #: 14-08-2 3 3 5

SAMPLE ANOMALY FORM

SAMPLES - CONTAINERS & LABELS:

- ☐ **Sample(s) NOT RECEIVED but listed on COC**
- ☐ **Sample(s) received but NOT LISTED on COC**
- ☐ **Holding time expired** – list sample ID(s) and test
- ☐ **Insufficient quantities for analysis** – list test
- ☐ **Improper container(s) used** – list test
- ☐ **Improper preservative used** – list test
- ☐ **No preservative noted on COC or label** – list test & notify lab
- ☐ **Sample labels illegible** – note test/container type
- ☑ **Sample label(s) do not match COC** – Note in comments
  - ☑ **Sample ID**
  - ☐ **Date and/or Time Collected**
  - ☐ **Project Information**
  - ☐ **# of Container(s)**
  - ☐ **Analysis**
- ☐ **Sample container(s) compromised** – Note in comments
  - ☐ **Water present in sample container**
  - ☐ **Broken**
- ☐ **Sample container(s) not labeled**
- ☐ **Air sample container(s) compromised** – Note in comments
  - ☐ **Flat**
  - ☐ **Very low in volume**
  - ☐ **Leaking (Not transferred - duplicate bag submitted)**
  - ☐ **Leaking (transferred into Calscience Tedlar® Bag*)**
  - ☐ **Leaking (transferred into Client's Tedlar® Bag*)**
- ☐ **Other:** _____

Comments:

labeled as
(-12) W-14-MW6Kb
8/28/14 @ 14:20

(-13) W-14-MW6Lb
8/28/14 @ 14:55.

HEADSPACE – Containers with Bubble > 6mm or ¼ inch:

Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Vials Received	Sample #	Container ID(s)	# of Cont. received	Analysis

Comments: _____

*Transferred at Client's request.

Initial / Date: 681 08/30/14

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WORK ORDER NUMBER: 14-07-2025

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
AUG 0 7 2014
BY:

Approved for release on 08/08/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-07-2025

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Work Order Narrative

Work Order: 14-07-2025 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/30/14. They were assigned to Work Order 14-07-2025.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	Cardno ERI	Work Order:	14-07-2025
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	07/30/14 10:30
		Number of Containers:	30
Attn:	Greg Gurss		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-MW6B	14-07-2025-1	07/28/14 11:30	6	Aqueous
W-MW6H	14-07-2025-2	07/28/14 11:40	6	Aqueous
W-MW6Ka	14-07-2025-3	07/28/14 11:45	6	Aqueous
W-MW6Kb	14-07-2025-4	07/28/14 11:50	6	Aqueous
W-MW6Lb	14-07-2025-5	07/28/14 12:00	6	Aqueous

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 07/30/14
Work Order: 14-07-2025
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6B	14-07-2025-1-E	07/28/14 11:30	Aqueous	GC 25	07/31/14	07/31/14 13:30	140731L044

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	100	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	74	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	14-07-2025-2-E	07/28/14 11:40	Aqueous	GC 25	07/31/14	07/31/14 15:11	140731L044

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	2400	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Ka	14-07-2025-3-E	07/28/14 11:45	Aqueous	GC 25	07/31/14	07/31/14 18:32	140731L044

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	93000	5000	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Kb	14-07-2025-4-E	07/28/14 11:50	Aqueous	GC 25	07/31/14	07/31/14 16:18	140731L044

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	700	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Lb	14-07-2025-5-E	07/28/14 12:00	Aqueous	GC 25	07/31/14	07/31/14 16:52	140731L044

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	76	50	1.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	75	38-134	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 2 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-436-9476	N/A	Aqueous	GC 25	07/31/14	07/31/14 12:23	140731L044

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	74	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 07/30/14
Work Order: 14-07-2025
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6B	**14-07-2025-1-A**	**07/28/14 11:30**	**Aqueous**	**GC/MS L**	**07/30/14**	**07/30/14 18:17**	**140730L018**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	26	0.50	1.00	
Tert-Butyl Alcohol (TBA)	16	5.0	1.00	
Diisopropyl Ether (DIPE)	2.1	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	68-120	
Dibromofluoromethane	109	80-127	
1,2-Dichloroethane-d4	113	80-128	
Toluene-d8	102	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	**14-07-2025-2-B**	**07/28/14 11:40**	**Aqueous**	**GC/MS L**	**07/31/14**	**07/31/14 16:18**	**140731L024**

Parameter	Result	RL	DF	Qualifiers
Benzene	340	5.0	10.0	
Toluene	23	5.0	10.0	
Ethylbenzene	37	5.0	10.0	
o-Xylene	7.4	5.0	10.0	
p/m-Xylene	48	5.0	10.0	
Xylenes (total)	55	5.0	1.00	
Methyl-t-Butyl Ether (MTBE)	14	5.0	10.0	
Tert-Butyl Alcohol (TBA)	ND	50	10.0	
Diisopropyl Ether (DIPE)	ND	5.0	10.0	
Ethyl-t-Butyl Ether (ETBE)	ND	5.0	10.0	
Tert-Amyl-Methyl Ether (TAME)	ND	5.0	10.0	
Ethanol	ND	500	10.0	
1,2-Dibromoethane	ND	5.0	10.0	
1,2-Dichloroethane	ND	5.0	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-120	
Dibromofluoromethane	99	80-127	
1,2-Dichloroethane-d4	104	80-128	
Toluene-d8	99	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 07/30/14
Work Order: 14-07-2025
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Ka	14-07-2025-3-A	07/28/14 11:45	Aqueous	GC/MS L	07/30/14	07/30/14 16:21	140730L018

Parameter	Result	RL	DF	Qualifiers
Toluene	830	100	200	
Ethylbenzene	4300	100	200	
o-Xylene	3300	100	200	
Xylenes (total)	20000	100	1.00	
Methyl-t-Butyl Ether (MTBE)	220	100	200	
Tert-Butyl Alcohol (TBA)	ND	1000	200	
Diisopropyl Ether (DIPE)	ND	100	200	
Ethyl-t-Butyl Ether (ETBE)	ND	100	200	
Tert-Amyl-Methyl Ether (TAME)	ND	100	200	
Ethanol	ND	10000	200	
1,2-Dibromoethane	ND	100	200	
1,2-Dichloroethane	ND	100	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-120	
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	98	80-128	
Toluene-d8	97	80-120	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Ka	14-07-2025-3-A	07/28/14 11:45	Aqueous	GC/MS L	07/30/14	07/30/14 19:14	140730L018

Parameter	Result	RL	DF	Qualifiers
Benzene	10000	200	400	
p/m-Xylene	16000	200	400	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	97	68-120	
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	112	80-128	
Toluene-d8	101	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Kb	**14-07-2025-4-A**	**07/28/14 11:50**	**Aqueous**	**GC/MS L**	**07/30/14**	**07/30/14 19:42**	**140730L018**

Parameter	Result	RL	DF	Qualifiers
Benzene	55	1.0	2.00	
Toluene	ND	1.0	2.00	
Ethylbenzene	2.5	1.0	2.00	
o-Xylene	ND	1.0	2.00	
p/m-Xylene	2.0	1.0	2.00	
Xylenes (total)	2.0	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	10	1.0	2.00	
Tert-Butyl Alcohol (TBA)	17	10	2.00	
Diisopropyl Ether (DIPE)	1.6	1.0	2.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2.00	
Ethanol	ND	100	2.00	
1,2-Dibromoethane	ND	1.0	2.00	
1,2-Dichloroethane	ND	1.0	2.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-120	
Dibromofluoromethane	105	80-127	
1,2-Dichloroethane-d4	120	80-128	
Toluene-d8	100	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 07/30/14
Work Order: 14-07-2025
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6Lb	**14-07-2025-5-B**	**07/28/14 12:00**	**Aqueous**	**GC/MS L**	**07/31/14**	**07/31/14 16:47**	**140731L024**

Parameter	Result	RL	DF	Qualifiers
Benzene	0.53	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
o-Xylene	1.0	0.50	1.00	
p/m-Xylene	2.3	0.50	1.00	
Xylenes (total)	3.3	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	0.75	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-120	
Dibromofluoromethane	99	80-127	
1,2-Dichloroethane-d4	101	80-128	
Toluene-d8	102	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-1183**	**N/A**	**Aqueous**	**GC/MS L**	**07/30/14**	**07/30/14 11:16**	**140730L018**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	68-120	
Dibromofluoromethane	107	80-127	
1,2-Dichloroethane-d4	110	80-128	
Toluene-d8	103	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-1184**	**N/A**	**Aqueous**	**GC/MS L**	**07/31/14**	**07/31/14 11:34**	**140731L024**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	92	68-120	
Dibromofluoromethane	105	80-127	
1,2-Dichloroethane-d4	107	80-128	
Toluene-d8	103	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
W-MW6B	Sample	Aqueous	GC 25	07/31/14	07/31/14 13:30	140731S021
W-MW6B	Matrix Spike	Aqueous	GC 25	07/31/14	07/31/14 14:04	140731S021
W-MW6B	Matrix Spike Duplicate	Aqueous	GC 25	07/31/14	07/31/14 14:37	140731S021

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	99.59	2000	2004	95	1956	93	68-122	2	0-18	

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-07-1946-3	Sample	Aqueous	GC/MS L	07/30/14	07/30/14 12:13	140730S001
14-07-1946-3	Matrix Spike	Aqueous	GC/MS L	07/30/14	07/30/14 13:45	140730S001
14-07-1946-3	Matrix Spike Duplicate	Aqueous	GC/MS L	07/30/14	07/30/14 14:14	140730S001

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	2000	2036	102	2138	107	75-125	5	0-20	
Toluene	275.1	2000	2315	102	2407	107	75-125	4	0-20	
Ethylbenzene	ND	2000	2067	103	2165	108	75-125	5	0-20	
o-Xylene	ND	2000	2166	108	2242	112	75-127	3	0-20	
p/m-Xylene	153.5	4000	4374	106	4567	110	75-125	4	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	2000	1955	98	2199	110	71-131	12	0-20	
Tert-Butyl Alcohol (TBA)	ND	10000	9810	98	10060	101	20-180	2	0-40	
Diisopropyl Ether (DIPE)	ND	2000	2063	103	2305	115	64-136	11	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	2000	1986	99	2236	112	73-133	12	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	2000	1934	97	2046	102	75-125	6	0-20	
Ethanol	ND	20000	21050	105	21390	107	73-139	2	0-27	
1,2-Dibromoethane	ND	2000	1982	99	2120	106	75-126	7	0-20	
1,2-Dichloroethane	ND	2000	1981	99	2100	105	75-127	6	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-07-2042-2	Sample	Aqueous	GC/MS L	07/31/14	07/31/14 12:31	140731S004
14-07-2042-2	Matrix Spike	Aqueous	GC/MS L	07/31/14	07/31/14 13:56	140731S004
14-07-2042-2	Matrix Spike Duplicate	Aqueous	GC/MS L	07/31/14	07/31/14 14:24	140731S004

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	9.861	99	10.57	106	75-125	7	0-20	
Toluene	ND	10.00	9.742	97	10.49	105	75-125	7	0-20	
Ethylbenzene	ND	10.00	9.753	98	10.56	106	75-125	8	0-20	
o-Xylene	ND	10.00	10.34	103	11.03	110	75-127	6	0-20	
p/m-Xylene	ND	20.00	20.18	101	21.91	110	75-125	8	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.669	97	9.934	99	71-131	3	0-20	
Tert-Butyl Alcohol (TBA)	ND	50.00	50.08	100	50.64	101	20-180	1	0-40	
Diisopropyl Ether (DIPE)	ND	10.00	9.884	99	10.29	103	64-136	4	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.694	97	9.986	100	73-133	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.470	95	9.750	98	75-125	3	0-20	
Ethanol	ND	100.0	102.2	102	106.2	106	73-139	4	0-27	
1,2-Dibromoethane	ND	10.00	9.718	97	10.05	100	75-126	3	0-20	
1,2-Dichloroethane	ND	10.00	9.892	99	10.17	102	75-127	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9476	LCS	Aqueous	GC 25	07/31/14	07/31/14 12:57	140731L044

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1943	97	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1183	LCS	Aqueous	GC/MS L	07/30/14	07/30/14 10:11	140730L018

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	10.37	104	80-120	73-127	
Toluene	10.00	10.23	102	80-120	73-127	
Ethylbenzene	10.00	10.53	105	80-120	73-127	
o-Xylene	10.00	10.99	110	80-120	73-127	
p/m-Xylene	20.00	21.84	109	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.00	9.748	97	75-123	67-131	
Tert-Butyl Alcohol (TBA)	50.00	48.60	97	80-120	73-127	
Diisopropyl Ether (DIPE)	10.00	10.34	103	73-121	65-129	
Ethyl-t-Butyl Ether (ETBE)	10.00	10.01	100	76-124	68-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.556	96	80-120	73-127	
Ethanol	100.0	109.4	109	73-133	63-143	
1,2-Dibromoethane	10.00	9.882	99	80-120	73-127	
1,2-Dichloroethane	10.00	9.765	98	80-122	73-129	

Total number of LCS compounds: 13
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2025
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1184	LCS	Aqueous	GC/MS L	07/31/14	07/31/14 10:18	140731L024

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	10.14	101	80-120	73-127	
Toluene	10.00	10.01	100	80-120	73-127	
Ethylbenzene	10.00	10.26	103	80-120	73-127	
o-Xylene	10.00	10.90	109	80-120	73-127	
p/m-Xylene	20.00	21.54	108	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.00	9.896	99	75-123	67-131	
Tert-Butyl Alcohol (TBA)	50.00	49.28	99	80-120	73-127	
Diisopropyl Ether (DIPE)	10.00	10.26	103	73-121	65-129	
Ethyl-t-Butyl Ether (ETBE)	10.00	10.01	100	76-124	68-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.523	95	80-120	73-127	
Ethanol	100.0	111.3	111	73-133	63-143	
1,2-Dibromoethane	10.00	9.856	99	80-120	73-127	
1,2-Dichloroethane	10.00	9.699	97	80-122	73-129	

Total number of LCS compounds: 13
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-07-2025 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Eurofins
Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

14-07-2025

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N McDowell | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 94954 | **Report To:** Greg Gurss
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2229 CX
Consultant Project Mgr: Greg Gurss | **ExxonMobil Site #:** 70235 | **Major Project (AFE #):**
Consultant Telephone Number: (916) 692-3130 | **Fax No.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): GREG BRUSKO | **Site City, State, Zip:** Oakland, CA
Sampler Signature: | **Oversight Agency:** Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For:	8260B*	BTEX 8260 B	MTBE 8260	Methanol 8015B	Motor Oil by 8015B	TPHg, 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
1 W-MW6B	MW6B	7.23.14	1130	6	X					6								X								X					X				X	
2 W-MW6H	MW6H	7.28.14	1140	6	X					6								X								X					X				X	
3 W-MW6Ka	MW6Ka	7.28.14	1145	6	X					6								X								X					X				X	
GB 4 W-MW6Kb	MW6Kb	7.28.14	1150	6	X					6								X								X					X				X	
~~W-MW6La~~	~~MW6La~~	~~7.28.14~~	~~1155~~	~~6~~	~~X~~					6								X								X					X				X	
5 W-MW6Lb	MW6Lb	7.28.14	1200	6	X					6								X								X					X				X	

GB

Comments/Special Instructions:
8260B*= BTEX, MTBE, DIPE, ETBE, TAME, TBA, ethanol, 1,2 DCA, and EDB

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
Greg Brusko	(CARDNO)	7/29/14	1221	Tom O'Malley ECI	7/29/14	1221
Relinquished by:		Date	Time	Received by (Lab personnel):	Date	Time
Tom O'Malley TO	650	7/29/14	1730	[illegible]	7/30/14	1030

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

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2025

GSO

WebShip

800-322-5555 www.gso.com

Ship From:
ALAN KEMF
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
TRI, TERRA PACIFIC GROUP, CARDNO ERI, NCAL
CLAIMS

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525258314

NPS

ORC

A

GARDEN GROVE

D92845A

27046459

Print Date : 07/29/14 16:07 PM

Package 1 of 1

Send Label To Printer | ☑ Print All | Edit Shipment | Finish

LABEL INSTRUCTIONS:

Do not copy or reprint **this label for additional shipments - each package must have a unique barcode.**

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email | Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-07-[14052]

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno EM DATE: 07/30/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.6 °C - 0.3 °C (CF) = 2.3 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: SM6

CUSTODY SEALS INTACT:

☑ Cooler ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: SM6

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: AG2

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOAh ☐VOA**na$_2$** ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGB**na$_2$** ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ Labeled/Checked by: AG2

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope Reviewed by: TJY

Preservative: h: HCL n: HNO_3 **na$_2$**:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered Scanned by: TJY

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WORK ORDER NUMBER: 14-08-0142

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
AUG 15 2014
BY:

ResultLink ▸

Email your PM ▸

Approved for release on 08/14/2014 by:
Cecile deGuia
Project Manager

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Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-08-0142

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Work Order Narrative

Work Order: 14-08-0142 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/02/14. They were assigned to Work Order 14-08-0142.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	Cardno ERI	Work Order:	14-08-0142
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	08/02/14 09:00
		Number of Containers:	6
Attn:	Greg Gurss		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-MW6H	14-08-0142-1	08/01/14 12:30	6	Aqueous

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Analytical Report

Cardno ERI	Date Received:	08/02/14
601 North McDowell Blvd.	Work Order:	14-08-0142
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8015B (M)
	Units:	ug/L
Project: ExxonMobil 70235/022229C		Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	14-08-0142-1-F	08/01/14 12:30	Aqueous	GC 25	08/07/14	08/07/14 20:41	140807L060

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	23000	500	10.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	84	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-436-9489	N/A	Aqueous	GC 25	08/07/14	08/07/14 17:20	140807L060

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	67	38-134	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0142
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 70235/022229C			Page 1 of 2

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
W-MW6H	**14-08-0142-1-A**	**08/01/14 12:30**	**Aqueous**	**GC/MS L**	**08/04/14**	**08/04/14 21:50**	**140804L018**

Parameter	Result	RL	DF	Qualifiers
Benzene	2200	50	100	
Toluene	1400	50	100	
Ethylbenzene	1400	50	100	
o-Xylene	2000	50	100	
p/m-Xylene	5000	50	100	
Xylenes (total)	6900	50	1.00	
Methyl-t-Butyl Ether (MTBE)	97	50	100	
Tert-Butyl Alcohol (TBA)	ND	500	100	
Diisopropyl Ether (DIPE)	ND	50	100	
Ethyl-t-Butyl Ether (ETBE)	ND	50	100	
Tert-Amyl-Methyl Ether (TAME)	ND	50	100	
Ethanol	ND	5000	100	
1,2-Dibromoethane	ND	50	100	
1,2-Dichloroethane	ND	50	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	68-120	
Dibromofluoromethane	105	80-127	
1,2-Dichloroethane-d4	117	80-128	
Toluene-d8	103	80-120	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	08/02/14
601 North McDowell Blvd.	Work Order:	14-08-0142
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-884-1185**	**N/A**	**Aqueous**	**GC/MS L**	**08/04/14**	**08/04/14 11:53**	**140804L018**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.50	1.00	
Toluene	ND	0.50	1.00	
Ethylbenzene	ND	0.50	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	ND	0.50	1.00	
Xylenes (total)	ND	0.50	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.50	1.00	
Tert-Butyl Alcohol (TBA)	ND	5.0	1.00	
Diisopropyl Ether (DIPE)	ND	0.50	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.50	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.50	1.00	
Ethanol	ND	50	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	68-120	
Dibromofluoromethane	109	80-127	
1,2-Dichloroethane-d4	111	80-128	
Toluene-d8	104	80-120	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0142
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-08-0225-1	Sample	Aqueous	GC 25	08/07/14	08/07/14 18:27	140807S051
14-08-0225-1	Matrix Spike	Aqueous	GC 25	08/07/14	08/07/14 19:00	140807S051
14-08-0225-1	Matrix Spike Duplicate	Aqueous	GC 25	08/07/14	08/07/14 19:34	140807S051

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	396.7	2000	2309	96	2292	95	68-122	1	0-18	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0142
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
14-08-0154-1	Sample	Aqueous	GC/MS L	08/04/14	08/04/14 12:21	140804S004
14-08-0154-1	Matrix Spike	Aqueous	GC/MS L	08/04/14	08/04/14 13:18	140804S004
14-08-0154-1	Matrix Spike Duplicate	Aqueous	GC/MS L	08/04/14	08/04/14 13:47	140804S004

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	10.27	103	10.37	104	75-125	1	0-20	
Toluene	ND	10.00	10.24	102	10.33	103	75-125	1	0-20	
Ethylbenzene	ND	10.00	10.34	103	10.31	103	75-125	0	0-20	
o-Xylene	ND	10.00	10.58	106	10.81	108	75-127	2	0-20	
p/m-Xylene	ND	20.00	21.31	107	21.29	106	75-125	0	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	11.18	112	10.23	102	71-131	9	0-20	
Tert-Butyl Alcohol (TBA)	ND	50.00	55.15	110	56.04	112	20-180	2	0-40	
Diisopropyl Ether (DIPE)	ND	10.00	11.49	115	10.28	103	64-136	11	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	11.26	113	10.12	101	73-133	11	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.880	99	10.07	101	75-125	2	0-20	
Ethanol	ND	100.0	104.7	105	107.1	107	73-139	2	0-27	
1,2-Dibromoethane	ND	10.00	9.814	98	10.24	102	75-126	4	0-20	
1,2-Dichloroethane	ND	10.00	9.976	100	10.05	101	75-127	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0142
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 70235/022229C			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-9489	LCS	Aqueous	GC 25	08/07/14	08/07/14 17:53	140807L060

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1691	85	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0142
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 70235/022229C			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-884-1185	LCS	Aqueous	GC/MS L	08/04/14	08/04/14 10:50	140804L018

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	9.748	97	80-120	73-127	
Toluene	10.00	9.699	97	80-120	73-127	
Ethylbenzene	10.00	9.904	99	80-120	73-127	
o-Xylene	10.00	10.52	105	80-120	73-127	
p/m-Xylene	20.00	20.63	103	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.00	10.01	100	75-123	67-131	
Tert-Butyl Alcohol (TBA)	50.00	49.27	99	80-120	73-127	
Diisopropyl Ether (DIPE)	10.00	10.26	103	73-121	65-129	
Ethyl-t-Butyl Ether (ETBE)	10.00	10.07	101	76-124	68-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.704	97	80-120	73-127	
Ethanol	100.0	106.2	106	73-133	63-143	
1,2-Dibromoethane	10.00	9.707	97	80-120	73-127	
1,2-Dichloroethane	10.00	9.626	96	80-122	73-129	

Total number of LCS compounds: 13
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-08-0142 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
14-08-0142

Consultant Name: Cardno ERI | **Account #:** NA | **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N McDowell | **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 94954 | **Report To:** Greg Gurss
ExxonMobil Project Mgr: Jennifer Sedlachek | **Project Name:** 02 2229 CX
Consultant Project Mgr: Greg Gurss | **ExxonMobil Site #:** 70235 | **Major Project (AFE #):**
Consultant Telephone Number: (916) 692-3130 | **Fax No.:** | **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): JOE D. LEWIS | **Site City, State, Zip:** Oakland, CA
Sampler Signature: Joe D. Lewis | **Oversight Agency:** Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: 8260B*	BTEX 8260 B	MTBE 8260	Methanol 8015B	Motor Oil by 8015B	TPHg, 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
~~W-MW6B~~	~~MW6B~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	
W-MW6H	MW6H	8/1/14	1230	6	X					6								X							X					X				X	
~~W-MW6Ka~~	~~MW6Ka~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	
~~W-MW6Kb~~	~~MW6Kb~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	
~~W-MW6La~~	~~MW6La~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	
~~W-MW6Lb~~	~~MW6Lb~~			~~6~~	~~X~~					~~6~~								~~X~~							~~X~~					~~X~~				~~X~~	

Comments/Special Instructions:
8260B*= BTEX, MTBE, DIPE, ETBE, TAME, TBA, ethanol, 1,2 DCA, and EDB

PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
Joe D. Lewis		8/1/14	1240	Tao Malley ECI	8/1/14	1240
~~Relinquished by:~~ Tao Malley	1650	8/1/14	1730	Received by (Lab personnel):	8/2/14	0900

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

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6142

<WebShip>>>>>
800-322-5555 www.gso.com

Ship From:
[illegible]
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
DEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
[illegible]

Reference:
CARDNO ERI, [redacted]

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525290214

SDS

ORC **A**

GARDEN GROVE

D92845A

27196584

Print Date : 08/01/14 15:10 PM

Package 2 of 2

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint **this label for additional shipments - each package must have a unique barcode.**

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-08-0 1 4 2

SAMPLE RECEIPT FORM

Cooler 1 of 1

CLIENT: Cardno ERI

DATE: 08/02/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature 2.7 °C - 0.3 °C (CF) = 2.4 °C ☑ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☐ Air ☐ Filter Checked by: SDZ

CUSTODY SEALS INTACT:

☑ Cooler ☐ _____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: SDZ

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present Checked by: TSY

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☑	☐	☐
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☑	☐	☐
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☑VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGJ ☐500AGJs ☐250AGB ☐250CGB ☐250CGBs ☐1PB ☐1PBna ☐500PB ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PJ ☐100PJna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** TSY

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** TSY

Preservative: h: HCL n: HNO_3 na_2:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** TSY

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WORK ORDER NUMBER: 14-07-2015

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
AUG 12 2014

BY: .....

Approved for release on 08/12/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

Eurofins Calscience, Inc. (Calscience) certifies that the test results provided in this report meet all NELAC requirements for parameters for which accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The original report of subcontracted analyses, if any, is attached to this report. The results in this report are limited to the sample(s) tested and any reproduction thereof must be made in its entirety. The client or recipient of this report is specifically prohibited from making material changes to said report and, to the extent that such changes are made, Calscience is not responsible, legally or otherwise. The client or recipient agrees to indemnify Calscience for any defense to any litigation which may arise.

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Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-07-2015

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Work Order Narrative

Work Order: 14-07-2015 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/30/14. They were assigned to Work Order 14-07-2015.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

TO-15M:
Please note that the initial run for sample V-INF-COMP-1 (14-07-2015-1) was performed within holding time on July 30, 2014. However, the results of the analysis were not valid due to over dilution. The second analysis was performed on July 31, 2014, at a 250x dilution but required another analysis due to surrogate recovery for Toluene-d8 was below the control limit. The third analysis performed on August 02, 2014 was within criteria and has been reported with a "BU" qualifier due to analysis was outside the specified holding time for tedlar.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	Cardno ERI	Work Order:	14-07-2015
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	07/30/14 10:30
		Number of Containers:	4
Attn:	Greg Gurss		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-COMP-1	14-07-2015-1	07/28/14 15:00	1	Air
V-INF-COMP-2	14-07-2015-2	07/28/14 18:00	1	Air
V-INF-COMP-3	14-07-2015-3	07/29/14 09:00	1	Air
V-EFF	14-07-2015-4	07/29/14 09:15	1	Air

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 1 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-07-2015-1-A	07/28/14 15:00	Air	GC/MS AA	N/A	08/02/14 05:51	140801L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	37	0.40	250	BU
Toluene	6.5	4.7	250	BU
Ethylbenzene	15	0.54	250	BU
o-Xylene	2.8	0.54	250	BU
p/m-Xylene	28	2.2	250	BU
Xylenes (total)	30	0.54	1.00	BU
Methyl-t-Butyl Ether (MTBE)	ND	1.8	250	BU
Tert-Butyl Alcohol (TBA)	ND	3.8	250	BU
Diisopropyl Ether (DIPE)	ND	2.1	250	BU
Ethyl-t-Butyl Ether (ETBE)	ND	2.1	250	BU
Tert-Amyl-Methyl Ether (TAME)	ND	2.1	250	BU
1,2-Dibromoethane	ND	0.96	250	BU
1,2-Dichloroethane	ND	0.51	250	BU

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	95	57-129	
1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	81	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 2 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-07-2015-2-A	07/28/14 18:00	Air	GC/MS AA	N/A	07/30/14 21:40	140730L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	18	0.32	200	
Toluene	5.0	3.8	200	
Ethylbenzene	11	0.43	200	
o-Xylene	4.1	0.43	200	
p/m-Xylene	24	1.7	200	
Xylenes (total)	29	0.43	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	57-129	
1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	95	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 3 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-3	14-07-2015-3-A	07/29/14 09:00	Air	GC/MS AA	N/A	07/30/14 20:54	140730L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	19	0.32	200	
Toluene	6.6	3.8	200	
Ethylbenzene	11	0.43	200	
o-Xylene	5.0	0.43	200	
p/m-Xylene	25	1.7	200	
Xylenes (total)	30	0.43	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.4	200	
Tert-Butyl Alcohol (TBA)	ND	3.0	200	
Diisopropyl Ether (DIPE)	ND	1.7	200	
Ethyl-t-Butyl Ether (ETBE)	ND	1.7	200	
Tert-Amyl-Methyl Ether (TAME)	ND	1.7	200	
1,2-Dibromoethane	ND	0.77	200	
1,2-Dichloroethane	ND	0.40	200	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	57-129	
1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	94	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 4 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-EFF	14-07-2015-4-A	07/29/14 09:15	Air	GC/MS AA	N/A	07/31/14 21:59	140731L02

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	0.035	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	0.0048	0.0022	1.00	
o-Xylene	0.0033	0.0022	1.00	
p/m-Xylene	0.012	0.0087	1.00	
Xylenes (total)	0.015	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	89	57-129	
1,2-Dichloroethane-d4	81	47-137	
Toluene-d8	87	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 5 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-4594**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**07/30/14 16:53**	**140730L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	ND	0.0022	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	96	57-129	
1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	98	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	07/30/14
601 North McDowell Blvd.	Work Order:	14-07-2015
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 6 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-981-4596	N/A	Air	GC/MS AA	N/A	07/31/14 18:42	140731L02

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	ND	0.0022	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	87	57-129	
1,2-Dichloroethane-d4	81	47-137	
Toluene-d8	96	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 7 of 7

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	099-12-981-4607	N/A	Air	GC/MS AA	N/A	08/01/14 20:35	140801L01

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	ND	0.0022	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	57-129	
1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	98	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-07-2015-1-A	07/28/14 15:00	Air	GC 53	N/A	07/30/14 14:24	140730L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	29000	140	20.0	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-07-2015-2-A	07/28/14 18:00	Air	GC 53	N/A	07/30/14 13:59	140730L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	610	7.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-3	14-07-2015-3-A	07/29/14 09:00	Air	GC 53	N/A	07/30/14 14:11	140730L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	630	7.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-EFF	14-07-2015-4-A	07/29/14 09:15	Air	GC 53	N/A	07/30/14 14:46	140730L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	200	7.0	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-5688	N/A	Air	GC 53	N/A	07/30/14 09:59	140730L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
14-07-2002-2	Sample	Air	GC 53	N/A	07/30/14 10:32	140730D01
14-07-2002-2	Sample Duplicate	Air	GC 53	N/A	07/30/14 10:47	140730D01

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	14.77	13.18	11	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4594	LCS	Air	GC/MS AA	N/A	07/30/14 13:17	140730L01
099-12-981-4594	LCSD	Air	GC/MS AA	N/A	07/30/14 14:06	140730L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07578	95	0.07551	95	60-156	44-172	0	0-40	
Toluene	0.09421	0.09568	102	0.09310	99	56-146	41-161	3	0-43	
Ethylbenzene	0.1086	0.1118	103	0.1066	98	52-154	35-171	5	0-38	
o-Xylene	0.1086	0.1096	101	0.1047	96	52-148	36-164	5	0-38	
p/m-Xylene	0.2171	0.2200	101	0.2098	97	42-156	23-175	5	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.08812	98	0.08769	97	50-150	33-167	0	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1257	83	0.1366	90	60-140	47-153	8	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.08415	81	0.08309	80	60-140	47-153	1	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.09738	93	0.09619	92	60-140	47-153	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.09911	95	0.09671	93	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.1979	103	0.1915	100	54-144	39-159	3	0-36	
1,2-Dichloroethane	0.1012	0.09516	94	0.09518	94	69-153	55-167	0	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4596	LCS	Air	GC/MS AA	N/A	07/31/14 15:26	140731L02
099-12-981-4596	LCSD	Air	GC/MS AA	N/A	07/31/14 16:15	140731L02

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07486	94	0.07592	95	60-156	44-172	1	0-40	
Toluene	0.09421	0.09481	101	0.09406	100	56-146	41-161	1	0-43	
Ethylbenzene	0.1086	0.1063	98	0.1054	97	52-154	35-171	1	0-38	
o-Xylene	0.1086	0.1013	93	0.09996	92	52-148	36-164	1	0-38	
p/m-Xylene	0.2171	0.1975	91	0.1957	90	42-156	23-175	1	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.08625	96	0.08782	97	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1054	70	0.1066	70	60-140	47-153	1	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.07942	76	0.08241	79	60-140	47-153	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.09288	89	0.09503	91	60-140	47-153	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1010	97	0.1015	97	60-140	47-153	0	0-30	
1,2-Dibromoethane	0.1921	0.1926	100	0.1908	99	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.08348	82	0.08377	83	69-153	55-167	0	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4607	LCS	Air	GC/MS AA	N/A	08/01/14 18:09	140801L01
099-12-981-4607	LCSD	Air	GC/MS AA	N/A	08/01/14 19:00	140801L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07952	100	0.07821	98	60-156	44-172	2	0-40	
Toluene	0.09421	0.09094	97	0.08953	95	56-146	41-161	2	0-43	
Ethylbenzene	0.1086	0.1029	95	0.1009	93	52-154	35-171	2	0-38	
o-Xylene	0.1086	0.09891	91	0.09617	89	52-148	36-164	3	0-38	
p/m-Xylene	0.2171	0.1984	91	0.1932	89	42-156	23-175	3	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09073	101	0.09008	100	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1393	92	0.1601	106	60-140	47-153	14	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1169	112	0.1125	108	60-140	47-153	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1239	119	0.1198	115	60-140	47-153	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1072	103	0.1055	101	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.1807	94	0.1785	93	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.1011	100	0.09809	97	69-153	55-167	3	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	07/30/14
601 North McDowell Blvd.		Work Order:	14-07-2015
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5688	LCS	Air	GC 53	N/A	07/30/14 09:25	140730L01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	1105	119	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-07-2015 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Cecile L de Guia

From: Matt Herman [matt.herman@cardno.com]
Sent: Thursday, July 31, 2014 9:23 AM
To: Cecile L de Guia
Cc: Sandy Tat
Subject: RE: ExxonMobil 70235; 14-07-2015

Yes please

Matthew Herman
PROJECT ENGINEER
CARDNO ERI

Phone (+1) 707-766-2000 **Fax** (+1) 707-789-0414 **Direct** (+1) 707-766-2027 **Mobile** (+1) 707-338-8010
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email matthew.herman@cardno.com **Web** www.cardno.com www.cardnoeri.com

From: Cecile L de Guia [mailto:CecileLdeGuia@eurofinsUS.com]
Sent: Thursday, July 31, 2014 8:47 AM
To: Matt Herman
Cc: Sandy Tat
Subject: RE: ExxonMobil 70235; 14-07-2015

Hi Matt,

For TO-15(M), do we report the Oxygenates, 1,2-DCA and EDB as well? These were in the special instruction box. Please confirm.
Thank you.

Best regards,
Cecile de Guia
Project Manager
Eurofins Calscience Inc.

From: Matt Herman [mailto:matt.herman@cardno.com]
Sent: Thursday, July 31, 2014 8:01 AM
To: Cecile L de Guia
Cc: Sandy Tat; David R. Daniels
Subject: ExxonMobil 70235; 14-07-2015

Here is the corrected COC.
Matt

Matthew Herman
PROJECT ENGINEER
CARDNO ERI

Cardno ERI
Shaping the Future

Phone (+1) 707-766-2000 **Fax** (+1) 707-789-0414 **Direct** (+1) 707-766-2027 **Mobile** (+1) 707-338-8010
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
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Calscience, Inc.

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Fax: 714-894-7501

ExxonMobil
14-07-2015

Consultant Name: Cardno ERI
Account #: NA **PO#:** **Direct Bill Cardno ERI**
Consultant Address: 601 N McDowell Boulevard
Invoice To: Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 94954
Report To: Greg Gurss
ExxonMobil Project Mgr: **Jennifer Sedlachek**
Project Name: 02 2229 CX
Consultant Project Mgr: **Greg Gurss**
ExxonMobil Site #: 70235 **Major Project (AFE #):**
Consultant Telephone Number: (916) 692-3130 **Fax No.:**
Site Address: 2225 Telegraph Avenue
Sampler Name (Print): Cory Mikkicil
Site City, State, Zip: Oakland, CA
Sampler Signature: [signature]
Oversight Agency: Alameda County Health Care Services

								Preservative										Matrix							Analyze For:												
Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	*TPHd 8015 B	TPHg by TO-3M	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
V-INF-COMP-1	EVENT-INF	7/28/14	1500	1													1						1			X	X								X	
V-INF-COMP-2	EVENT-INF	7/28/14	1800	1													1						1			X	X								X	
V-INF-COMP-3	EVENT-INF	7/29/14	0900	1													1						1			X	X								X	
V-EFF	EVENT-EFF	7/29/14	0925	1													1						1			X	X								X	

Comments/Special Instructions:
TO-15 to include: BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB

GLOBAL ID # T0600101354

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

Relinquished by:		Date	Time	Received by:	Date	Time
[signature]	Cardno	7/29/14	1221	T. O'Malley ECI	7/29/14	1221
Relinquished by:		**Date**	**Time**	**Received by (Lab personnel):**	**Date**	**Time**
T. O'Malley ECI		7/29/14	1730	[signature] ECI	7/30/14	1030

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

Eurofins
Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

14-07-2015

Consultant Name: Cardno ERI **Account #:** NA **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N McDowell Boulevard **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 94954 **Report To:** Greg Gurss
ExxonMobil Project Mgr: Jennifer Sedlachek **Project Name:** 02 2229 CX
Consultant Project Mgr: Greg Gurss **ExxonMobil Site #:** 70235 **Major Project (AFE #):**
Consultant Telephone Number: (916) 692-3130 **Fax No.:** **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): CARL MIKUCKI **Site City, State, Zip:** Oakland, CA
Sampler Signature: **Oversight Agency:** Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: *TPHd 8015 B	by EPA 8015B	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
V-INF-COMP-1	EVENT-INF	7/28/14	1500	1													1						1			X	X							X	
V-INF-COMP-2	EVENT-INF	7/29/14	1800	1													1						1			X	X							X	
V-INF-COMP-3	EVENT-INF	7/29/14	0900	1													1						1			X	X							X	
V-EFF	EVENT-EFF	7/29/14	0915	1													1						1			X	X							X	

Comments/Special Instructions:
TO-15 to include: BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB

PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:	Company	Date	Time	Received by:	Date	Time
	Cardno	7/29/14	1221	Tom Malley ECI	7/29/14	1221
Tom Malley TO CAS		7/29/14	1730		7/30/14	1032

Relinquished by:	Company	Date	Time	Received by (Lab personnel):	Date	Time
Tom Malley TO CAS		7/29/14	1730	ECI	7/30/14	1032

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

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2015

GSO

< WebShip > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525258323

NPS

ORC **A**

GARDEN GROVE

D92845A

27046488

Print Date : 07/29/14 16:07 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint **this label for additional shipments - each package must have a unique barcode.**

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-07-2015

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERI DATE: 07/30/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature ____.__ °C - 0.3 °C (CF) = ____.__ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ Received at ambient temperature, placed on ice for transport by Courier.

Ambient Temperature: ☑ Air ☐ Filter Checked by: JW

CUSTODY SEALS INTACT:

☑ Box	☐ _____	☐ No (Not Intact)	☐ Not Present	☐ N/A	Checked by: JW
☐ Sample	☐ _____	☐ No (Not Intact)	☑ Not Present		Checked by: JW

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☑Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:** _____ **Labeled/Checked by:** JW

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** FZ

Preservative: h: HCL n: HNO_3 na$_2$: $Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** JW

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WORK ORDER NUMBER: 14-07-2098

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
AUG 14 2014
BY: .....

Approved for release on 08/13/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-07-2098

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Work Order Narrative

Work Order: 14-07-2098 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/31/14. They were assigned to Work Order 14-07-2098.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

TO-15(M)
Please note that the initial analysis of sample 14-07-2098-1 (V-INF-COMP-1) was performed within holding time on July 29, 2014. However, the surrogate recovery for Toluene-d8 was below the control limit, therefore, the sample required re-analysis. The re-analysis performed on August 02, 2014 was within criteria and has been reported with a "BU" qualifier. Sample was analyzed outside the specified holding time for tedlar bag.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	Cardno ERI	Work Order:	14-07-2098
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	07/31/14 12:15
		Number of Containers:	2
Attn:	Greg Gurss		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-COMP-1	14-07-2098-1	07/29/14 18:30	1	Air
V-INF-COMP-2	14-07-2098-2	07/30/14 09:00	1	Air

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 07/31/14
Work Order: 14-07-2098
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-07-2098-1-A	07/29/14 18:30	Air	GC/MS AA	N/A	08/02/14 06:44	140801L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	13	0.16	100	BU
Toluene	5.1	1.9	100	BU
Ethylbenzene	6.2	0.22	100	BU
o-Xylene	3.3	0.22	100	BU
p/m-Xylene	14	0.87	100	BU
Xylenes (total)	17	0.22	1.00	BU
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	BU
Tert-Butyl Alcohol (TBA)	ND	1.5	100	BU
Diisopropyl Ether (DIPE)	ND	0.84	100	BU
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	BU
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	BU
1,2-Dibromoethane	ND	0.38	100	BU
1,2-Dichloroethane	ND	0.20	100	BU

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	57-129	
1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	87	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	07/31/14
601 North McDowell Blvd.	Work Order:	14-07-2098
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-07-2098-2-A	07/30/14 09:00	Air	GC/MS AA	N/A	08/02/14 07:32	140801L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	19	0.16	100	
Toluene	7.6	1.9	100	
Ethylbenzene	8.7	0.22	100	
o-Xylene	4.7	0.22	100	
p/m-Xylene	19	0.87	100	
Xylenes (total)	24	0.22	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	ND	0.20	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	93	57-129	
1,2-Dichloroethane-d4	90	47-137	
Toluene-d8	83	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	07/31/14
601 North McDowell Blvd.	Work Order:	14-07-2098
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-4607**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**08/01/14 20:35**	**140801L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	ND	0.0022	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	88	57-129	
1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	98	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 07/31/14
Work Order: 14-07-2098
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-07-2098-1-A	07/29/14 18:30	Air	GC 53	N/A	07/31/14 13:31	140731L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6200	35	5.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-07-2098-2-A	07/30/14 09:00	Air	GC 53	N/A	07/31/14 13:59	140731L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	8400	35	5.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-5699	N/A	Air	GC 53	N/A	07/31/14 09:59	140731L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Cardno ERI		Date Received:	07/31/14
601 North McDowell Blvd.		Work Order:	14-07-2098
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
V-INF-COMP-1	Sample	Air	GC 53	N/A	07/31/14 13:31	140731D01
V-INF-COMP-1	Sample Duplicate	Air	GC 53	N/A	07/31/14 13:45	140731D01

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	6225	6227	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	07/31/14
601 North McDowell Blvd.		Work Order:	14-07-2098
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4607	LCS	Air	GC/MS AA	N/A	08/01/14 18:09	140801L01
099-12-981-4607	LCSD	Air	GC/MS AA	N/A	08/01/14 19:00	140801L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07952	100	0.07821	98	60-156	44-172	2	0-40	
Toluene	0.09421	0.09094	97	0.08953	95	56-146	41-161	2	0-43	
Ethylbenzene	0.1086	0.1029	95	0.1009	93	52-154	35-171	2	0-38	
o-Xylene	0.1086	0.09891	91	0.09617	89	52-148	36-164	3	0-38	
p/m-Xylene	0.2171	0.1984	91	0.1932	89	42-156	23-175	3	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09073	101	0.09008	100	50-150	33-167	1	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1393	92	0.1601	106	60-140	47-153	14	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1169	112	0.1125	108	60-140	47-153	4	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1239	119	0.1198	115	60-140	47-153	3	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1072	103	0.1055	101	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.1807	94	0.1785	93	54-144	39-159	1	0-36	
1,2-Dichloroethane	0.1012	0.1011	100	0.09809	97	69-153	55-167	3	0-35	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	07/31/14
601 North McDowell Blvd.		Work Order:	14-07-2098
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5699	LCS	Air	GC 53	N/A	07/31/14 09:37	140731L01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	1105	119	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

eurofins | Calscience

Glossary of Terms and Qualifiers

Work Order: 14-07-2098 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Sandy Tat

From: Matt Herman [matt.herman@cardno.com]
Sent: Thursday, July 31, 2014 3:58 PM
To: Sandy Tat
Cc: David R. Daniels
Subject: FW: ExxonMobil 70235/022229C (14-07-2098)
Attachments: 20140731155703.pdf

Sandy,
Here is the corrected COC.
Matt

Matthew Herman
PROJECT ENGINEER
CARDNO ERI

Cardno ERI
Shaping the Future

Phone (+1) 707-766-2000 Fax (+1) 707-789-0414 Direct (+1) 707-766-2027 Mobile (+1) 707-338-8010
Address 601 North McDowell Blvd., Petaluma, CA 94954-2312 USA
Email matthew.herman@cardno.com Web www.cardno.com www.cardnoeri.com

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Eurofins Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
14-07-2098

Consultant Name:	Cardno ERI	Account #:	NA PO#: Direct Bill Cardno ERI
Consultant Address:	601 N McDowell Boulevard	Invoice To:	Direct Bill Cardno ERI
Consultant City/State/Zip:	Petaluma, CA 94954	Report To:	Greg Gurss
ExxonMobil Project Mgr:	Jennifer Sedlachek	Project Name:	02 2229 CX
Consultant Project Mgr:	Greg Gurss	ExxonMobil Site #:	70235 Major Project (AFE #):
Consultant Telephone Number:	(916) 692-3130 Fax No.:	Site Address:	2225 Telegraph Avenue
Sampler Name (Print):	CARL MILLICH	Site City, State, Zip:	Oakland, CA
Sampler Signature:	[signature]	Oversight Agency:	Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: TPHd 8015 B	TPHg TO-3 M	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
(1) V-INF-COMP-1	EVENT-INF	7-29-14	1830	1													1						1			X	X								X	
(2) V-INF-COMP-2	EVENT-INF	7-30-14	0900	1													1						1			X	X								X	
~~V-INF-COMP-3~~	~~EVENT-INF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~								~~X~~	
~~V-EFF~~	~~EVENT-EFF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~								~~X~~	

Comments/Special Instructions:
TO-15 to Include: BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB

GLOBAL ID # T0600101354

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

Relinquished by:		Date	Time	Received by:	Date	Time
[signature]	CARDNO	7/30/14	1330	To-Omalley ECI	7/30/14	1330
Relinquished by:		**Date**	**Time**	**Received by (Lab personnel):**	**Date**	**Time**
To-Omalley TO	GSO	7/30/14	1730	[signature] ECI	7/31/14	1215

Laboratory Comments:

Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

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Eurofins Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
14-07-2098

Consultant Name:	Cardno ERI	**Account #:** NA	**PO#:** Direct Bill Cardno ERI
Consultant Address:	601 N McDowell Boulevard	**Invoice To:**	Direct Bill Cardno ERI
Consultant City/State/Zip:	Petaluma, CA 94954	**Report To:**	Greg Gurss
ExxonMobil Project Mgr:	Jennifer Sedlachek	**Project Name:**	02 2229 CX
Consultant Project Mgr:	Greg Gurss	**ExxonMobil Site #:**	70235 **Major Project (AFE #):**
Consultant Telephone Number:	(916) 692-3130 **Fax No.:**	**Site Address:**	2225 Telegraph Avenue
Sampler Name (Print):	Carl Mitrich	**Site City, State, Zip:**	Oakland, CA
Sampler Signature:	[signature]	**Oversight Agency:**	Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: *TPHd 8015 B	by EPA 8015B	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
(1) V-INF-COMP-1	EVENT-INF	7-29-14	1830	1													1						1			X	X								X	
(2) V-INF-COMP-2	EVENT-INF	7-30-14	0900	1													1						1			X	X								X	
~~V-INF-COMP-3~~	~~EVENT-INF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~								~~X~~	
~~V-EFF~~	~~EVENT-EFF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~								~~X~~	

Comments/Special Instructions:
TO-15 to include: BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
[signature]	Cardno	7/30/14	1330	T. O'Malley ECI	7/30/14	1330
Relinquished by: T. O'Malley TO	GSO	7/30/14	1730	Received by (Lab personnel): [signature] ECI	7/31/14	1215

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

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2098

GSO

<WebShip>>>>>

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525270892

NPS

ORC **A**

GARDEN GROVE

D92845A

27103215

Print Date : 07/30/14 16:40 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP 2 - Fold this page in half.

STEP 3 - Securely attach this label to your package, do not cover the barcode.

STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-07-2098

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERM

DATE: 07/31/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature _____.___ °C - 0.3 °C (CF) = _____.___ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter **Checked by:** SM6

CUSTODY SEALS INTACT:

☑ Box ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Checked by:** SM6

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** SM6

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☑Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** SM6

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** MO

Preservative: h: HCL n: HNO_3 na$_2$:$Na_2S_2O_3$ na: NaOH p: H_3PO_4 s: H_2SO_4 u: Ultra-pure znna: $ZnAc_2$+NaOH f: Filtered **Scanned by:** SM6

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WORK ORDER NUMBER: 14-08-0042

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
AUG 14 2014
BY: .....

Approved for release on 08/13/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-08-0042

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Work Order Narrative

Work Order: 14-08-0042 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/01/14. They were assigned to Work Order 14-08-0042.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	Cardno ERI	Work Order:	14-08-0042
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	08/01/14 10:30
		Number of Containers:	2
Attn:	Greg Gurss		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-COMP-1	14-08-0042-1	07/30/14 18:30	1	Air
V-INF-COMP-2	14-08-0042-2	07/31/14 09:00	1	Air

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Analytical Report

Cardno ERI		Date Received:	08/01/14
601 North McDowell Blvd.		Work Order:	14-08-0042
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-08-0042-1-A	07/30/14 18:30	Air	GC/MS KKK	N/A	08/02/14 09:12	140801L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Toluene	13	0.75	40.0	
o-Xylene	13	0.087	40.0	
Xylenes (total)	51	0.087	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.29	40.0	
Tert-Butyl Alcohol (TBA)	ND	0.61	40.0	
Diisopropyl Ether (DIPE)	ND	0.33	40.0	
Ethyl-t-Butyl Ether (ETBE)	ND	0.33	40.0	
Tert-Amyl-Methyl Ether (TAME)	ND	0.33	40.0	
1,2-Dibromoethane	ND	0.15	40.0	
1,2-Dichloroethane	ND	0.081	40.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	136	57-129	AZ
1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	67	78-156	AZ

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-08-0042-1-A	07/30/14 18:30	Air	GC/MS KKK	N/A	08/02/14 00:15	140801L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	20	0.40	250	
Ethylbenzene	14	0.54	250	
p/m-Xylene	38	2.2	250	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	57-129	
1,2-Dichloroethane-d4	102	47-137	
Toluene-d8	93	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	08/01/14
601 North McDowell Blvd.		Work Order:	14-08-0042
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-08-0042-2-A	07/31/14 09:00	Air	GC/MS KKK	N/A	08/01/14 23:26	140801L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	13	0.16	100	
Toluene	7.8	1.9	100	
Ethylbenzene	11	0.22	100	
o-Xylene	8.9	0.22	100	
p/m-Xylene	29	0.87	100	
Xylenes (total)	38	0.22	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	0.66	0.20	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	123	57-129	
1,2-Dichloroethane-d4	119	47-137	
Toluene-d8	96	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	08/01/14
601 North McDowell Blvd.	Work Order:	14-08-0042
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 3 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-4631**	**N/A**	**Air**	**GC/MS KKK**	**N/A**	**08/01/14 16:35**	**140801L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
o-Xylene	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethylbenzene	ND	0.0022	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	104	57-129	
1,2-Dichloroethane-d4	124	47-137	
Toluene-d8	99	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/01/14
Work Order: 14-08-0042
Preparation: N/A
Method: EPA TO-3M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-08-0042-1-A	07/30/14 18:30	Air	GC 13	N/A	08/01/14 14:09	140801L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6700	35	5.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-08-0042-2-A	07/31/14 09:00	Air	GC 13	N/A	08/01/14 14:32	140801L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	3200	35	5.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-5701	N/A	Air	GC 13	N/A	08/01/14 09:55	140801L01

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Cardno ERI		Date Received:	08/01/14
601 North McDowell Blvd.		Work Order:	14-08-0042
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
V-INF-COMP-1	Sample	Air	GC 13	N/A	08/01/14 14:09	140801D01
V-INF-COMP-1	Sample Duplicate	Air	GC 13	N/A	08/01/14 14:20	140801D01

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	6699	6480	3	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	08/01/14
601 North McDowell Blvd.		Work Order:	14-08-0042
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 1 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4631	LCS	Air	GC/MS KKK	N/A	08/01/14 14:03	140801L01
099-12-981-4631	LCSD	Air	GC/MS KKK	N/A	08/01/14 14:53	140801L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.06893	86	0.06836	86	60-156	44-172	1	0-40	
Toluene	0.09421	0.08500	90	0.08427	89	56-146	41-161	1	0-43	
o-Xylene	0.1086	0.1043	96	0.1022	94	52-148	36-164	2	0-38	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09600	107	0.09441	105	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1610	106	0.1634	108	60-140	47-153	2	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1081	103	0.1065	102	60-140	47-153	2	0-30	
Ethylbenzene	0.1086	0.1045	96	0.1026	95	52-154	35-171	2	0-38	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1191	114	0.1181	113	60-140	47-153	1	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1056	101	0.1045	100	60-140	47-153	1	0-30	
1,2-Dibromoethane	0.1921	0.1847	96	0.1830	95	54-144	39-159	1	0-36	
p/m-Xylene	0.2171	0.2157	99	0.2122	98	42-156	23-175	2	0-41	
1,2-Dichloroethane	0.1012	0.1223	121	0.1204	119	69-153	55-167	2	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/01/14
601 North McDowell Blvd.		Work Order:	14-08-0042
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 2 of 2

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5701	LCS	Air	GC 13	N/A	08/01/14 09:35	140801L01

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	981.7	105	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-08-0042 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Eurofins Calscience, Inc.

7440 Lincoln Way
Garden Grove, CA 92841

Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
14-08-0042

Consultant Name:	Cardno ERI	**Account #:**	NA
PO#:	**Direct Bill Cardno ERI**		
Consultant Address:	601 N McDowell Boulevard	**Invoice To:**	Direct Bill Cardno ERI
Consultant City/State/Zip:	Petaluma, CA 94954	**Report To:**	Greg Gurss
ExxonMobil Project Mgr:	**Jennifer Sedlachek**	**Project Name:**	02 2229 CX
Consultant Project Mgr:	**Greg Gurss**	**ExxonMobil Site #:**	70235
Major Project (AFE #):			
Consultant Telephone Number:	(916) 692-3130	**Fax No.:**	
Site Address:	2225 Telegraph Avenue		
Sampler Name (Print):	[illegible]	**Site City, State, Zip:**	Oakland, CA
Sampler Signature:	[signature]	**Oversight Agency:**	Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: *TPHd 8015 B	~~by EPA 8015B~~ TO-3M	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B		RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
(1) V-INF-COMP-1	EVENT-INF	7-30-14	0830	1													1						1			X	X								X	
(2) V-INF-COMP-2	EVENT-INF	7-31-14	0900	1													1						1			X	X								X	
~~V-INF-COMP-3~~	~~EVENT-INF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~								~~X~~	
~~V-EFF~~	~~EVENT-EFF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~								~~X~~	

Comments/Special Instructions:
TO-15 to include: BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB

PLEASE E-MAIL ALL PDF FILES TO norcallabs@eri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
[signature]	Cardno	7/31/14	1351	Tom O'Malley EEI	7/31/14	1351
Relinquished by:		**Date**	**Time**	**Received by (Lab personnel):**	**Date**	**Time**
Tom O'Malley	TO 650	7/31/14	1730	[signature] - EEI	08/01/14	1030

Laboratory Comments:

Temperature Upon Receipt:		
Sample Containers Intact?	Y	N
VOCs Free of Headspace?	Y	N

QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pre-schedule w/ Calscience Project Manager or attach specific instructions

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0042

GSO

< WebShip > > > > >

800-322-5555 www.gso.com

Ship From:
ALAN KEMP
CAL SCIENCE- CONCORD
5063 COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
CEL
7440 LINCOLN WAY
GARDEN GROVE, CA 92841

COD:
$0.00

Reference:
CARDNO ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525280654

NPS

ORC **A**

GARDEN GROVE

D92845A

27151074

Print Date : 07/31/14 15:26 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint **this label for additional shipments - each package must have a unique barcode.**

STEP 1 - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.
STEP 2 - Fold this page in half.
STEP 3 - Securely attach this label to your package, do not cover the barcode.
STEP 4 - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-08-0042

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERM

DATE: 08/01/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature _____.____ °C - 0.3 °C (CF) = _____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter Checked by: SM

CUSTODY SEALS INTACT:

☑ Box ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A Checked by: SM

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present Checked by: SM

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☑Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** SM

Container: C: Clear A: Amber P: Plastic G: Glass J: Jar B: Bottle Z: Ziploc/Resealable Bag E: Envelope **Reviewed by:** SM

Preservative: h: HCL n: HNO_3 **na$_2$**:$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** SM

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WORK ORDER NUMBER: 14-08-0144

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: Cardno ERI

Client Project Name: ExxonMobil 70235/022229C

Attention: Greg Gurss
601 North McDowell Blvd.
Petaluma, CA 94954-2312

RECEIVED
AUG 15 2014
BY:.....

Approved for release on 08/14/2014 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil 70235/022229C
Work Order Number: 14-08-0144

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Work Order Narrative

Work Order: 14-08-0144 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 08/02/14. They were assigned to Work Order 14-08-0144.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

New York NELAP air certification does not certify for all reported methods and analytes, reference the accredited items here: http://www.calscience.com/PDF/New_York.pdf

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

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Sample Summary

Client:	Cardno ERI	Work Order:	14-08-0144
	601 North McDowell Blvd.	Project Name:	ExxonMobil 70235/022229C
	Petaluma, CA 94954-2312	PO Number:	022229C
		Date/Time Received:	08/02/14 09:00
		Number of Containers:	3
Attn:	Greg Gurss		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
V-INF-COMP-1	14-08-0144-1	07/31/14 16:00	1	Air
V-INF-COMP-2	14-08-0144-2	08/01/14 07:00	1	Air
V-INF-COMP-3	14-08-0144-3	08/01/14 11:30	1	Air

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Analytical Report

Cardno ERI
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 08/02/14
Work Order: 14-08-0144
Preparation: N/A
Method: EPA TO-15M
Units: mg/m3

Project: ExxonMobil 70235/022229C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-08-0144-1-A	07/31/14 16:00	Air	GC/MS YY	N/A	08/02/14 17:03	140802L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	15	0.16	100	
Toluene	8.1	1.9	100	
Ethylbenzene	10	0.22	100	
o-Xylene	7.8	0.22	100	
p/m-Xylene	25	0.87	100	
Xylenes (total)	33	0.22	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	ND	0.20	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	57-129	
1,2-Dichloroethane-d4	100	47-137	
Toluene-d8	80	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0144
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-08-0144-2-A	08/01/14 07:00	Air	GC/MS KKK	N/A	08/02/14 20:33	140802L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	22	0.16	100	
Toluene	11	1.9	100	
Ethylbenzene	13	0.22	100	
o-Xylene	9.8	0.22	100	
p/m-Xylene	30	0.87	100	
Xylenes (total)	40	0.22	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	ND	0.20	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	106	57-129	
1,2-Dichloroethane-d4	97	47-137	
Toluene-d8	85	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0144
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
		Units:	mg/m3
Project: ExxonMobil 70235/022229C			Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-3	14-08-0144-3-A	08/01/14 11:30	Air	GC/MS KKK	N/A	08/02/14 21:23	140802L01

Comment(s): - The method has been modified to use Tedlar Bags instead of Summa canisters and is not NY NELAC accredited.

Parameter	Result	RL	DF	Qualifiers
Benzene	16	0.16	100	
Toluene	9.3	1.9	100	
Ethylbenzene	11	0.22	100	
o-Xylene	8.2	0.22	100	
p/m-Xylene	26	0.87	100	
Xylenes (total)	34	0.22	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.72	100	
Tert-Butyl Alcohol (TBA)	ND	1.5	100	
Diisopropyl Ether (DIPE)	ND	0.84	100	
Ethyl-t-Butyl Ether (ETBE)	ND	0.84	100	
Tert-Amyl-Methyl Ether (TAME)	ND	0.84	100	
1,2-Dibromoethane	ND	0.38	100	
1,2-Dichloroethane	ND	0.20	100	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	57-129	
1,2-Dichloroethane-d4	112	47-137	
Toluene-d8	109	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	08/02/14
601 North McDowell Blvd.	Work Order:	14-08-0144
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-981-4614**	**N/A**	**Air**	**GC/MS YY**	**N/A**	**08/02/14 15:20**	**140802L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	ND	0.0022	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	94	57-129	
1,2-Dichloroethane-d4	106	47-137	
Toluene-d8	97	78-156	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	08/02/14
601 North McDowell Blvd.	Work Order:	14-08-0144
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-15M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-931-4616**	**N/A**	**Air**	**GC/MS KKK**	**N/A**	**08/02/14 16:11**	**140802L01**

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	0.0016	1.00	
Toluene	ND	0.019	1.00	
Ethylbenzene	ND	0.0022	1.00	
o-Xylene	ND	0.0022	1.00	
p/m-Xylene	ND	0.0087	1.00	
Xylenes (total)	ND	0.0022	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	0.0072	1.00	
Tert-Butyl Alcohol (TBA)	ND	0.015	1.00	
Diisopropyl Ether (DIPE)	ND	0.0084	1.00	
Ethyl-t-Butyl Ether (ETBE)	ND	0.0084	1.00	
Tert-Amyl-Methyl Ether (TAME)	ND	0.0084	1.00	
1,2-Dibromoethane	ND	0.0038	1.00	
1,2-Dichloroethane	ND	0.0020	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	108	57-129	
1,2-Dichloroethane-d4	95	47-137	
Toluene-d8	99	78-156	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

Cardno ERI	Date Received:	08/02/14
601 North McDowell Blvd.	Work Order:	14-08-0144
Petaluma, CA 94954-2312	Preparation:	N/A
	Method:	EPA TO-3M
	Units:	mg/m3
Project: ExxonMobil 70235/022229C		Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-1	14-08-0144-1-A	07/31/14 16:00	Air	GC 13	N/A	08/02/14 13:23	140801L03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6100	70	10.0	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-2	14-08-0144-2-A	08/01/14 07:00	Air	GC 13	N/A	08/02/14 13:33	140801L03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	7400	70	10.0	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
V-INF-COMP-3	14-08-0144-3-A	08/01/14 11:30	Air	GC 13	N/A	08/02/14 13:42	140801L03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	6400	70	10.0	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-5709	N/A	Air	GC 13	N/A	08/01/14 21:27	140801L03

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	7.0	1.00	

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RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Sample Duplicate

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0144
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 1 of 1

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	Duplicate Batch Number
V-INF-COMP-3	Sample	Air	GC 13	N/A	08/02/14 13:42	140801D03
V-INF-COMP-3	Sample Duplicate	Air	GC 13	N/A	08/02/14 13:51	140801D03

Parameter	Sample Conc.	DUP Conc.	RPD	RPD CL	Qualifiers
TPH as Gasoline	6392	6434	1	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0144
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 1 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4614	LCS	Air	GC/MS YY	N/A	08/02/14 12:26	140802L01
099-12-981-4614	LCSD	Air	GC/MS YY	N/A	08/02/14 13:15	140802L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07174	90	0.07338	92	60-156	44-172	2	0-40	
Toluene	0.09421	0.08889	94	0.09177	97	56-146	41-161	3	0-43	
Ethylbenzene	0.1086	0.1027	95	0.1059	98	52-154	35-171	3	0-38	
o-Xylene	0.1086	0.1013	93	0.1046	96	52-148	36-164	3	0-38	
p/m-Xylene	0.2171	0.2053	95	0.2114	97	42-156	23-175	3	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09925	110	0.1014	113	50-150	33-167	2	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1564	103	0.1625	107	60-140	47-153	4	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.1041	100	0.1063	102	60-140	47-153	2	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1075	103	0.1098	105	60-140	47-153	2	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.08596	82	0.08784	84	60-140	47-153	2	0-30	
1,2-Dibromoethane	0.1921	0.1792	93	0.1854	97	54-144	39-159	3	0-36	
1,2-Dichloroethane	0.1012	0.1099	109	0.1120	111	69-153	55-167	2	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0144
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-15M
Project: ExxonMobil 70235/022229C			Page 2 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-12-981-4616	LCS	Air	GC/MS KKK	N/A	08/02/14 13:37	140802L01
099-12-981-4616	LCSD	Air	GC/MS KKK	N/A	08/02/14 14:27	140802L01

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	0.07987	0.07568	95	0.07452	93	60-156	44-172	2	0-40	
Toluene	0.09421	0.09299	99	0.07471	79	56-146	41-161	22	0-43	
Ethylbenzene	0.1086	0.1039	96	0.1044	96	52-154	35-171	0	0-38	
o-Xylene	0.1086	0.09920	91	0.09904	91	52-148	36-164	0	0-38	
p/m-Xylene	0.2171	0.1978	91	0.1888	87	42-156	23-175	5	0-41	
Methyl-t-Butyl Ether (MTBE)	0.09013	0.09211	102	0.08667	96	50-150	33-167	6	0-35	
Tert-Butyl Alcohol (TBA)	0.1516	0.1258	83	0.1314	87	60-140	47-153	4	0-30	
Diisopropyl Ether (DIPE)	0.1045	0.09299	89	0.08992	86	60-140	47-153	3	0-30	
Ethyl-t-Butyl Ether (ETBE)	0.1045	0.1037	99	0.09699	93	60-140	47-153	7	0-30	
Tert-Amyl-Methyl Ether (TAME)	0.1045	0.1004	96	0.09947	95	60-140	47-153	1	0-30	
1,2-Dibromoethane	0.1921	0.1836	96	0.1844	96	54-144	39-159	0	0-36	
1,2-Dichloroethane	0.1012	0.1097	108	0.1004	99	69-153	55-167	9	0-35	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno ERI		Date Received:	08/02/14
601 North McDowell Blvd.		Work Order:	14-08-0144
Petaluma, CA 94954-2312		Preparation:	N/A
		Method:	EPA TO-3M
Project: ExxonMobil 70235/022229C			Page 3 of 3

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
098-01-005-5709	LCS	Air	GC 13	N/A	08/01/14 21:13	140801L03

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	932.5	946.1	101	80-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Glossary of Terms and Qualifiers

Work Order: 14-08-0144 Page 1 of 1

Qualifiers	Definition
AZ	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
B	Analyte was present in the associated method blank.
BA	The MS/MSD RPD was out of control due to suspected matrix interference.
BB	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
DF	Reporting limits elevated due to matrix interferences.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
GE	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
HD	Chromat. profile inconsistent with pattern(s) of ref. fuel stnds.
HO	High concentration matrix spike recovery out of limits
HT	Analytical value calculated using results from associated tests.
HX	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS was in control.
IL	Relative percent difference out of control.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
LD	Analyte presence was not confirmed by second column or GC/MS analysis.
LP	The LCS and/or LCSD recoveries for this analyte were above the upper control limit. The associated sample was non-detected. Therefore, the sample data was reported without further clarification.
LQ	LCS recovery above method control limits.
LR	LCS recovery below method control limits.
ND	Parameter not detected at the indicated reporting limit.
QO	Compound did not meet method-described identification guidelines. Identification was based on additional GC/MS characteristics.
RU	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
SG	A silica gel cleanup procedure was performed.
SN	See applicable analysis comment.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

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Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil

14-08-0144

Consultant Name: Cardno ERI **Account #:** NA **PO#:** Direct Bill Cardno ERI
Consultant Address: 601 N McDowell Boulevard **Invoice To:** Direct Bill Cardno ERI
Consultant City/State/Zip: Petaluma, CA 94954 **Report To:** Greg Gurss
ExxonMobil Project Mgr: Jennifer Sedlachek **Project Name:** 02 2229 CX
Consultant Project Mgr: Greg Gurss **ExxonMobil Site #:** 70235 **Major Project (AFE #):**
Consultant Telephone Number: (916) 692-3130 **Fax No.:** **Site Address:** 2225 Telegraph Avenue
Sampler Name (Print): CARL W. MALLECH **Site City, State, Zip:** Oakland, CA
Sampler Signature: **Oversight Agency:** Alameda County Health Care Services

Sample ID	Field Point Name	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	HCl	NaOH	H_2SO_4 Plastic	H_2SO_4 Glass	HNO_3	Ice	Other	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Water	Analyze For: *TPHd 8015 B	~~by EPA 8015B TO-3~~	BTEX MTBE TO-15 (M)	Oxygenates 8260B	Methanol 8015B	Motor Oil by 8015B	Kerosene by 8015B	RUSH TAT (Pre-Schedule)	5-day TAT	Standard 10-day TAT	Due Date of Report
V-INF-COMP-1	EVENT-INF	7-31-14	1600	1													1						1			X	X							X	
V-INF-COMP-2	EVENT-INF	8-1-14	0700	1													1						1			X	X							X	
V-INF-COMP-3	EVENT-INF	8-1-14	1130	1													1						1			X	X							X	
~~V-EFF~~	~~EVENT-EFF~~			~~1~~													~~1~~						~~1~~			~~X~~	~~X~~							~~X~~	

Comments/Special Instructions:
TO-15 to include: BTEX, MTBE, DIPE, ETBE, TAME, TBA, 1,2DCA, EDB

PLEASE E-MAIL ALL PDF FILES TO
norcallabc@cri-us.com

GLOBAL ID # T0600101354

Relinquished by:		Date	Time	Received by:	Date	Time
	CARDNO	8/1/14	1230	Tom Malley ERI	8/1/14	1230
Relinquished by: Tom Malley T0650		8/1/14	1730	Received by (Lab personnel):	8/2/14	0900

Laboratory Comments:
Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N
QC Deliverables (please circle one)
Level 2
Level 3
Level 4
Site Specific - if yes, please attach pm schedule w/ Calscience Project Manager or attach specific instructions

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0144

< WebShip > > > > >
800-322-5555 www.gso.com

Ship From:
LAR KEMP
AL SCIENCE- CONCORD
COMMERCIAL CIRCLE #H
CONCORD, CA 94520

Ship To:
SAMPLE RECEIVING
EL
LINCOLN WAY
GARDEN GROVE, CA 92841

Reference:
ARDNO ERI

Delivery Instructions:

Signature Type:
SIGNATURE REQUIRED

Tracking #: 525290221

SDS

ORC

A

GARDEN GROVE

D92845A

27196603

Print Date : 08/01/14 15:10 PM

Package 1 of 1

Send Label To Printer ☑ Print All Edit Shipment Finish

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.

STEP - Use the "Send Label to Printer" button on this page to print the shipping label on a laser or inkjet printer.

STEP - Fold this page in half.

STEP - Securely attach this label to your package, do not cover the barcode.

STEP - Request an on-call pickup for your package, if you do not have scheduled daily pickup service or Drop-off your package at the nearest GSO drop box. Locate nearest GSO dropbox locations using this link.

ADDITIONAL OPTIONS:

Send Label Via Email Create Return Label

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all the service terms and conditions described in this section. Our liability for loss or damage to any package is limited to your actual damages or $100 whichever is less, unless you pay for and declare a higher authorized value. If you declare a higher value and pay the additional charge, our liability will be the lesser of your declared value or the actual value of your loss or damage. In any event, we will not be liable for any damage, whether direct, incidental, special or consequential, in excess of the declared value of a shipment whether or not we had knowledge that such damage might be incurred including but not limited to loss of income or profit. We will not be liable for your acts or omissions, including but not limited to improper or insufficient packaging, securing, marking or addressing. Also, we will not be liable if you or the recipient violates any of the terms of our agreement. We will not be liable for loss, damage or delay caused by events we cannot control, including but not limited to acts of God, perils of the air, weather conditions, act of public enemies, war, strikes, or civil commotion. The highest declared value for our GSO Priority Letter or GSO Priority Package is $500. For other shipments the highest declared value is $10,000 unless your package contains items of "extraordinary value", in which case the highest declared value we allow is $500. Items of "extraordinary value" include, but or not limited to, artwork, jewelry, furs, precious metals, tickets, negotiable instruments and other items with intrinsic value.

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WORK ORDER #: 14-08-0 1 4 4

SAMPLE RECEIPT FORM

Box 1 of 1

CLIENT: Cardno ERI

DATE: 08/02/14

TEMPERATURE: Thermometer ID: SC1 (Criteria: 0.0 °C – 6.0 °C, not frozen except sediment/tissue)

Temperature ____.____ °C - 0.3 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter **Checked by:** SR

CUSTODY SEALS INTACT:

☑ Box ☐_____ ☐ No (Not Intact) ☐ Not Present ☐ N/A **Checked by:** SR

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Checked by:** SR

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ No analysis requested. ☐ Not relinquished. ☐ No date/time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Proper containers and sufficient volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Aqueous samples received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfides ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☑	☐	☐

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve (_____) ☐EnCores® ☐TerraCores® ☐_____

Aqueous: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐1PB**na** ☐500PB ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PJ ☐100PJ**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☑Tedlar® ☐Canister **Other:** ☐_____ **Trip Blank Lot#:**_____ **Labeled/Checked by:** SR

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar **B:** Bottle **Z:** Ziploc/Resealable Bag **E:** Envelope **Reviewed by:** ZTS

Preservative: **h:** HCL **n:** HNO_3 **na$_2$:**$Na_2S_2O_3$ **na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **u:** Ultra-pure **znna:** $ZnAc_2$+NaOH **f:** Filtered **Scanned by:** ZTS

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APPENDIX E

WASTE DISPOSAL DOCUMENTATION

NON-HAZARDOUS Waste Hauler Document

Daily Field Ticket No. 87207 84749

GENERATOR

#7-0235

Name: Exxon mobil

EPA #

Address: 2225 Telegraph Av
Oakland CA

Order Placed: Order Date:

DESIGNATED TSD FACILITY

Name: Instat Inc

EPA #

Address: Rio Vista CA

ALTERNATE TDS FACILITY

Name:

EPA #

Address:

WASTE ☐ - DRILLING MUD ☐ - GASWELL WATER ☐ - OTHER purge Water

Weight/Volume 1650 Units Gallons Container: ☐ - Dump Truck ☒ - Tank Truck

This material is nonhazardous because:
1) it is a drilling mud containing only the additives listed by the Department in its exemption letter and contains no significant concentrations of toxic materials from natural sources, or
2) is a sulfur-dioxide scrubber solution from a sodium hydroxise or sodium carbonate oil field boiler scrubber system, and possesses no characteristics that would require its handling as a hazardous waste

SIGNATURE OF AUTHORIZED AGENT 8/1/14 DATE

TRANSPORTER

Warren E. Gomes Exc., Inc.
P. O. Box 369
Rio Vista, CA 94571
(707) 374-2881
EPA # CAD076557370

Job No. Cavone ERT

Unit No. 26

Pick-Up Date 8/01/14

SIGNATURE OF BUYER

TSD FACILITY

Name Instat Inc

EPA #

QTY Measured 1650

☐ - BBL ☐ - TONS ☐ - OTHER

SIGNATURE OF AUTHORIZED AGENT 8-1-14 DATE

Method of Disposal:
- ☐ - Injection Well
- ☐ - Landfill
- ☐ - Land Treatment
- ☐ - Surface Impoundment
- ☒ - Other GAC

TSDF TO GENERATOR