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Environmental Services Company
4096 Piedmont Avenue #194
Oakland, California 94611
510 547 8196 Telephone
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Jennifer C. Sedlachek
Project Manager

ExxonMobil

December 13, 2016

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

RE: Former Exxon RAS #79374/990 San Pablo Avenue, Albany, California.

Dear Mr. Detterman:

Attached for your review and comment is a copy of the letter report entitled ***Groundwater Monitoring and Remedial Status Report, Fourth Quarter 2016,*** dated December 13, 2016, for the above-referenced site. The report was prepared by Cardno of Petaluma, California, and details activities related to 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's ***Groundwater Monitoring and Remedial Status Report, Fourth Quarter 2016,*** dated December 13, 2016

cc: w/ attachment
Ms. Muriel T. Blank, Trustee, The Blank Family Trust
Reverend Deborah Blank, Trustee, The Blank Family Trust
Ms. Marcia Blank Kelly, The Blank Family Trust

w/o attachment
Mr. Scott Perkins, Cardno

December 13, 2016
Cardno 2735C.Q164

Cardno

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

SUBJECT **Groundwater Monitoring and Remedial Status Report, Fourth Quarter 2016**
Former Exxon Service Station 79374
990 San Pablo Avenue, Albany, California

Alameda County RO#2974

INTRODUCTION

At the request of ExxonMobil Environmental Services (EMES), on behalf of Exxon Mobil Corporation, Cardno performed fourth quarter 2016 groundwater monitoring and sampling at the subject site. Relevant plates, tables, and appendices are included at the end of this report. Currently, the site is occupied by a retail outlet for paints and painting products.

GROUNDWATER MONITORING AND SAMPLING SUMMARY

Gauging and sampling date:		10/07/16
Wells gauged and sampled:		MW1 through MW3, MW3A, MW4 through MW9
Wells gauged only:		AS1, SVE1 through SVE3
Presence of NAPL:		None
Laboratory:		Eurofins Calscience, Inc., Garden Grove, California
Analyses performed:	EPA Method 8015B	TPHd, TPHg, TPHmo
	EPA Method 8260B	BTEX, MTBE, ETBE, TAME, TBA, DIPE, EDB, 1,2-DCA, additional VOCs (HVOCs)
Waste disposal:	82 gallons of purge and decon water were delivered to InStrat, Inc., of Rio Vista, California, on 10/26/16	

RESULTS AND CONCLUSIONS

Groundwater Flow Direction and Hydraulic Gradient

Due to varying well construction, the wells are separated into shallow and deep water-bearing zones. Wells MW3A, MW4, MW5, and SVE1 through SVE7 are screened no deeper than 15 feet bgs and are referred to as the

shallow water-bearing zone; wells MW1 through MW3 and MW6 have screened intervals that extend deeper than 15 feet bgs and are referred to as the deep water-bearing zone. The groundwater elevations in wells screened deeper than 15 feet are commonly irregular and do not agree with the distribution of petroleum hydrocarbon concentrations. Although the water-bearing zones are referred to as shallow and deep, they likely do not represent unique water-bearing zones.

During the quarter, the groundwater flow direction in the shallow water-bearing zone was towards the southwest under a hydraulic gradient of approximately 0.02. Due to varying well construction, the groundwater flow in the deep water-bearing zone was not calculated. Groundwater elevation maps for the shallow and deep water-bearing zones are included as Plates 3 and 4, respectively.

Hydrocarbons in Groundwater

Maximum petroleum hydrocarbon concentrations were reported in well MW3, located in the vicinity of the former USTs, and wells MW4 and MW5, located west of the former USTs. Petroleum hydrocarbon concentrations were consistent with recent results.

Based on the results of the groundwater sampling to date, it appears that the existing well network and previous soil borings adequately define the area of dissolved-phase concentrations.

RECOMMENDATIONS AND WORK IN PROGRESS

Cardno recommends continued semi-annual groundwater monitoring and sampling during the second and fourth quarters and conducting additional HIT events at the site.

On August 11, 2016, Cardno provided additional information to the Bay Area Air Quality Management District (BAAQMD) to allow the revision of an existing permit to be used in the proximity of a public school. The additional information was requested by the BAAQMD on July 27, 2016. The BAAQMD published the required public notice on November 15, 2016. The public comment period is scheduled to end on December 15, 2016. Pending the receipt of public comment, it appears that the revised permit will not be approved until first quarter 2017. Cardno anticipates implementing the proposed remedial action following the receipt of the permit from the BAAQMD.

LIMITATIONS

For documents cited that were not generated by Cardno, the data taken from those documents is used “as is” and is assumed to be accurate. Cardno 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. Scott Perkins, Cardno's project manager for this site, at scott.perkins@cardno.com or at (707) 766-2000 with any questions regarding this report.

Sincerely,

Christine M. Capwell
Senior Technical Editor
for Cardno
707 766 2000
Email: christine.capwell@cardno.com

David R. Daniels
P.G. 8737
for Cardno
707 766 2000
Email: david.daniels@cardno.com

Enclosures:

References
Acronym List

Plate 1	Site Vicinity Map
Plate 2	Select Analytical Results
Plate 3	Groundwater Elevation Map, Shallow Water-Bearing Zone
Plate 4	Groundwater Elevation Map, Deep Water-Bearing Zone
Table 1A	Cumulative Groundwater Monitoring and Sampling Data
Table 1B	Additional Cumulative Groundwater Monitoring and Sampling Data – VOCs
Table 1C	Additional Cumulative Groundwater Monitoring and Sampling Data – VOCs
Table 2	Well Construction Details
Appendix A	Protocols
Appendix B	Field Data Sheets
Appendix C	Laboratory Analytical Report
Appendix D	Waste Disposal Documentation

cc: Mr. Mark Detterman, Alameda County Health Care Services Agency, Environmental Health Services, 1131 Harbor Bay Parkway, Suite 250, Alameda, California, 94502-6577

Ms. Muriel T. Blank, Trustee, The Blank Family Trusts, 1164 Solano Avenue, #406, Albany, California, 94706

Reverend Deborah Blank, Trustee, The Blank Family Trust, 1563 Solano Avenue, #344, Berkeley, California, 94707

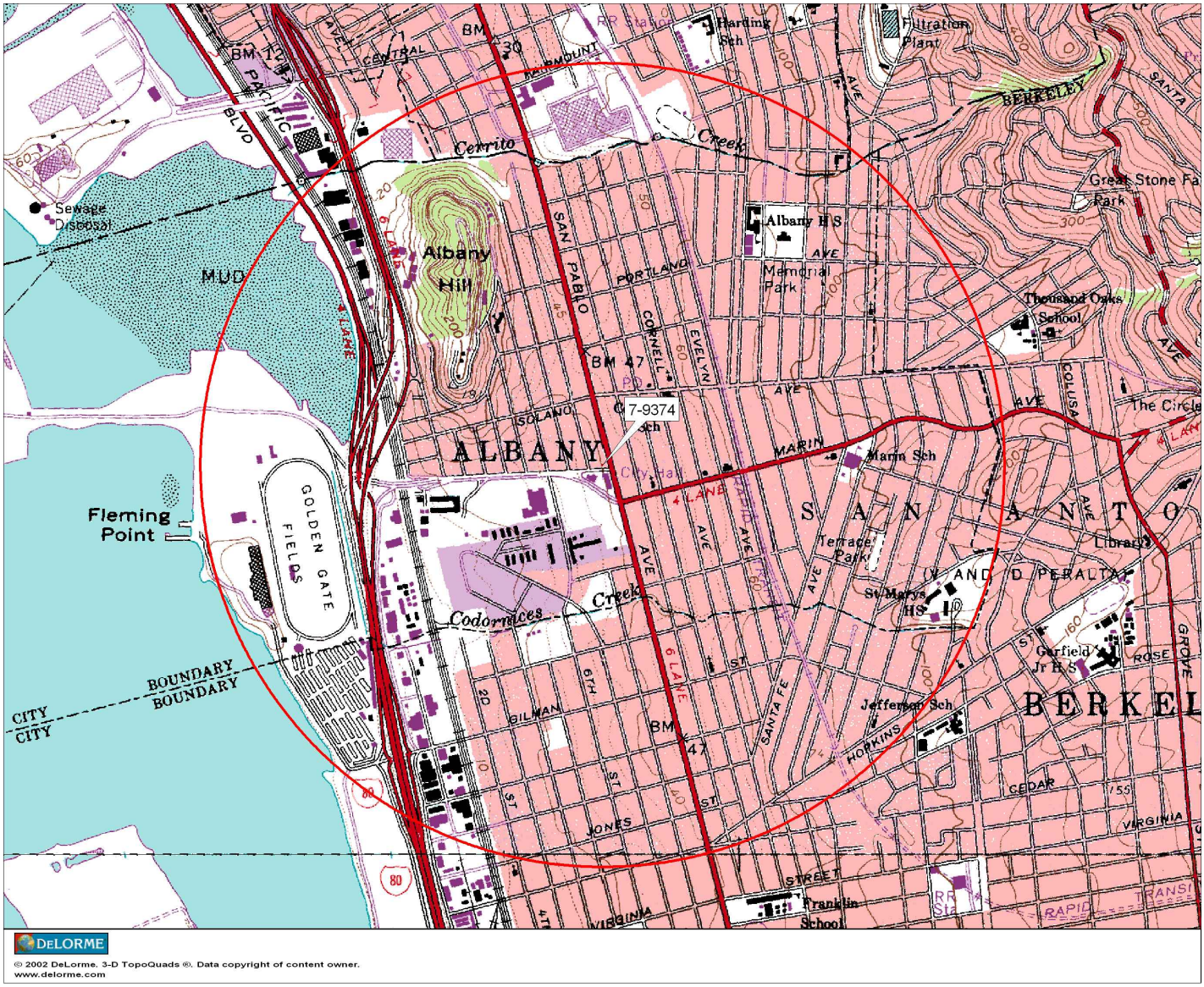
Ms. Marcia Blank, Trustee, The Blank Family Trust, 641 SW Morningside Road, Topeka, Kansas, 66606

REFERENCES

Cardno. December 17, 2015. *Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2015, Former Exxon Service Station 79374, 990 San Pablo Avenue, Albany, 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	Semi-volatile 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



FN 2735 TOPO

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

SITE VICINITY MAP

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

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PROJECT NO.
2735

PLATE
1

Analyte Concentrations in ug/L
Sampled October 7, 2016

Total Petroleum Hydrocarbons as gasoline
Benzene
Methyl Tertiary Butyl Ether

< Less than the Stated Laboratory Reporting Limit
ug/L Micrograms per Liter
a The chromatographic pattern does not match that of the specified standard.
n Reporting limits elevated due to high level of non-target analytes.

NOTE:
Air sparge and soil vapor extraction wells not routinely sampled.

APPROXIMATE SCALE
0 20 40 Feet

FN 2735 16 4QTR QM

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SELECT ANALYTICAL RESULTS
October 7, 2016

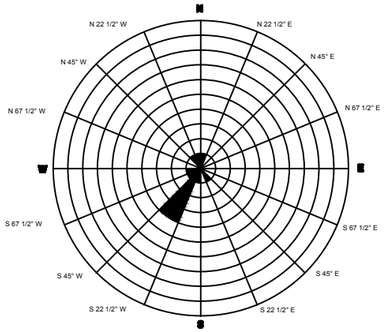
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

MW6 Groundwater Monitoring Well
CPT2 Cone Penetration Test Boring
HP2B Hydropunch Boring
AS1 Air Sparge Well
SVE7 Soil Vapor Extraction Well
SVS8 Soil Vapor Sampling Well

PROJECT NO. 2735

PLATE 2



GROUNDWATER FLOW DIRECTION
ROSE DIAGRAM

APPROXIMATE SCALE

0 20 40 Feet

FN 2735 16 4QTR QM

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GROUNDWATER ELEVATION MAP
SHALLOW WATER-BEARING ZONE
October 7, 2016

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW6 — Groundwater Monitoring Well
- 31.47 — Groundwater elevation in feet; datum is NAVD88
- i = Interpreted Hydraulic Gradient
- CPT2 — Cone Penetration Test Boring
- HP2B — Hydropunch Boring
- NM — Not measured
- 33 — Line of Equal Groundwater Elevation; datum is NAVD88
- AS1 — Air Sparge Well
- SVE7 — Soil Vapor Extraction Well
- SVS8 — Soil Vapor Sampling Well

PROJECT NO. 2735

PLATE 3

FN 2735 16 4QTR QM

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GROUNDWATER ELEVATION MAP
DEEP WATER-BEARING ZONE
October 7, 2016

FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW6 — Groundwater Monitoring Well
- 32.60 — Groundwater elevation in feet; datum is NAVD88
- CPT2 — Cone Penetration Test Boring
- HP2B — Hydropunch Boring
- AS1 — Air Sparge Well
- SVE7 — Soil Vapor Extraction Well
- SVS8 — Soil Vapor Sampling Well

PROJECT NO. 2735

PLATE 4

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
Monitoring Well Samples															
MW1	11/04/10	---	Well installed.												
MW1	12/01/10	---	41.45	Well surveyed.											
MW1	12/16/10	---	41.45	9.18	32.27	No	---	<250	71a	54	<0.50	1.4	0.65	0.58	1.6
MW1	01/31/11	---	41.45	8.78	32.67	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	04/07/11	---	41.45	8.45	33.00	No	---	<250	65a	160a	<0.50	2.9	0.92	<0.50	1.7
MW1	07/18/11	---	41.45	9.49	31.96	No	---	<250	<50	63a	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	10/13/11	---	41.45	9.86	31.59	No	---	<250	54	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	04/06/12	---	41.45	8.11	33.34	No	---	<250	130	130	<0.50	2.1	<0.50	<0.50	<0.50
MW1	10/19/12	---	41.45	10.42	31.03	No	---	<250	<50	<50	<0.50	0.51	2.2	<0.50	0.65
MW1	06/11/13	---	41.45	10.48	30.97	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	12/19/13	---	41.45	10.67	30.78	No	---	<250	<50	<50	<0.50	<0.50	1.3	<0.50	0.53
MW1	04/03/14	---	44.19	Elevation converted to NAVD88.											
MW1	04/30/14	---	44.19	9.49	34.70	No	---	---	---	---	---	---	---	---	---
MW1	05/01/14	---	44.19	---	---	---	---	<240	<48	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	10/28/14	---	44.19	10.85	33.34	No	---	<250	61a	59	<0.50	1.2	<0.50	0.64	<0.50
MW1	06/02/15	---	44.19	10.35	33.84	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	11/18/15	---	44.19	10.72	33.47	No	---	---	---	---	---	---	---	---	---
MW1	11/19/15	---	44.19	---	---	---	---	<240	<47	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW1	05/02/16	---	44.19	11.14	33.05	No	---	320a	210a	<50	<2.0	<2.0	<2.0	<2.0	<2.0
MW1	**10/07/16**	**---**	**44.19**	**10.65**	**33.54**	**No**	**---**	**<250**	**<50**	**<50**	**<1.0n**	**<1.0n**	**<1.0n**	**<1.0n**	**<1.0n**
MW2	11/04/10	---	Well installed.												
MW2	12/01/10	---	41.25	Well surveyed.											
MW2	12/16/10	---	41.25	8.11	33.14	No	---	<250	110a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	01/31/11	---	41.25	9.29	31.96	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	04/07/11	---	41.25	8.21	33.04	No	---	<250	<50	<50	0.51	<0.50	<0.50	<0.50	<0.50
MW2	07/18/11	---	41.25	9.52	31.73	No	---	<250	<50	54a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	10/13/11	---	41.25	9.56	31.69	No	---	<250	98	75a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	04/06/12	---	41.25	8.68	32.57	No	---	<250	60	68	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	10/19/12	---	41.25	11.03	30.22	No	---	<250	<50	59a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	06/11/13	---	41.25	10.67	30.58	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	12/19/13	---	41.25	10.77	30.48	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	04/03/14	---	43.99	Elevation converted to NAVD88.											
MW2	04/30/14	---	43.99	9.63	34.36	No	---	---	---	---	---	---	---	---	---
MW2	05/01/14	---	43.99	---	---	---	---	<240	<48	53a	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	10/28/14	---	43.99	11.03	32.96	No	---	<250	78a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	06/02/15	---	43.99	10.50	33.49	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	11/18/15	---	43.99	10.87	33.12	No	---	---	---	---	---	---	---	---	---
MW2	11/19/15	---	43.99	---	---	---	---	<240	60a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW2	05/02/16	---	43.99	10.02	33.97	No	---	290a	180a	<50	<1.0	<1.0	<1.0	<1.0	<1.0
MW2	**10/07/16**	**---**	**43.99**	**10.91**	**33.08**	**No**	**---**	**<250**	**<50**	**<50**	**<1.0n**	**<1.0n**	**<1.0n**	**<1.0n**	**<1.0n**

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW3	11/08/10	---	Well installed.												
MW3	12/01/10	---	40.42	Well surveyed.											
MW3	12/16/10	---	40.42	8.18	32.24	No	---	<250	2,900a	19,000	<12	350	130	940	290
MW3	01/31/11	---	40.42	7.64	32.78	No	---	390	2,800a	17,000a	<12	540	140	700	270
MW3	04/07/11	---	40.42	5.88	34.54	No	---	<250	2,700a	14,000	<10	600	150	780	230
MW3	07/18/11	---	40.42	8.31	32.11	No	---	<250	1,700a	19,000	<10	650	140	660	220
MW3	10/13/11	---	40.42	8.76	31.66	No	---	<250	1,900a	16,000	<10	520	150	900	270
MW3	04/06/12	---	40.42	8.13	32.29	No	---	<250	3,200a	18,000	<20	300	120	1,100	180
MW3	10/19/12	---	40.42	9.37	31.05	No	---	<250	1,700a	11,000a	<10	380	120	740	150
MW3	06/11/13	---	40.42	9.48	30.94	No	---	<250	2,700a	17,000	<10	270	110	990	140
MW3	12/19/13	---	40.42	10.00	30.42	No	---	---	---	---	---	---	---	---	---
MW3	12/20/13	---	40.42	---	---	---	---	<250	2,000a	16,000	<10	310	120	710	120
MW3	04/03/14	---	43.16	Elevation converted to NAVD88.											
MW3	04/30/14	---	43.16	9.17	33.99	No	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	43.16	---	---	---	---	<240	3,100a	18,000	<10	230	110	1,100	170
MW3	10/28/14	---	43.16	10.10	33.06	No	---	<250	4,800a	17,000	<20	330	120	1,200	150
MW3	06/02/15	---	43.16	9.30	33.86	No	---	<250	3,900a	18,000a	<20	290	110	850	140
MW3	11/18/15	---	43.16	10.06	33.10	No	---	---	---	---	---	---	---	---	---
MW3	11/19/15	---	43.16	---	---	---	---	<240	3,000a	1,500a	<5.0	290	110	340	100
MW3	05/02/16	---	43.16	7.09	36.07	No	---	350a	3,400a	16,000a	<5.0	310	110	1,000	150
MW3	**10/07/16**	**---**	**43.16**	**10.13**	**33.03**	**No**	**---**	**<250**	**3,200a**	**14,000a**	**<10**	**270**	**100**	**390**	**89**
MW3A	01/18/12	---	Well installed.												
MW3A	02/06/12	---	40.68	Well surveyed.											
MW3A	04/06/12	---	40.68	6.02	34.66	No	---	<250	170a	1,300	<2.0	41	7.5	140	38
MW3A	10/19/12	---	40.68	10.44	30.24	No	---	<250	860a	4,400a	<5.0	390	59	410	82
MW3A	06/11/13	---	40.68	9.75	30.93	No	---	<250	160a	1,100	<2.0	99	14	110	3.6
MW3A	12/19/13	---	40.68	10.05	30.63	No	---	<250	270a	1,800	<2.0	150	18	65	4.7
MW3A	04/03/14	---	43.42	Elevation converted to NAVD88.											
MW3A	04/30/14	---	43.42	7.55	35.87	No	---	---	---	---	---	---	---	---	---
MW3A	05/01/14	---	43.42	---	---	---	---	<240	<48	130a	<0.50	7.0	1.2	7.4	1.3
MW3A	10/28/14	---	43.42	10.33	33.09	No	---	<250	330a	1,600	<0.50	150	17	26	4.0
MW3A	06/02/15	---	43.42	9.48	33.94	No	---	<250	89a	170a	<0.50	14	0.95	6.7	1.8
MW3A	11/18/15	---	43.42	10.15	33.27	No	---	---	---	---	---	---	---	---	---
MW3A	11/19/15	---	43.42	---	---	---	---	<240	240a	660a	<2.0	86	7.2	3.8	3.6
MW3A	05/02/16	---	43.42	7.72	35.70	No	---	270a	200a	92a	<0.50	1.7	<0.50	1.5	<0.50
MW3A	**10/07/16**	**---**	**43.42**	**10.31**	**33.11**	**No**	**---**	**<250**	**110a**	**520a**	**<0.50**	**26**	**2.9**	**1.1**	**1.1**
MW4	11/05/10	---	Well installed.												
MW4	12/01/10	---	39.30	Well surveyed.											
MW4	12/16/10	---	39.30	6.10	33.20	No	---	<250	2,000a	9,900	<5.0	440	40	170	380
MW4	01/31/11	---	39.30	6.84	32.46	No	---	260	3,900a	13,000	<10	500	59	320	740
MW4	04/07/11	---	39.30	5.29	34.01	No	---	<250	1,900a	9,600	<10	530	59	250	340

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW4	07/18/11	---	39.30	7.36	31.94	No	---	<250	2,800a	14,000	<10	570	66	320	510
MW4	10/13/11	---	39.30	7.83	31.47	No	---	320	7,200a	14,000	<10	350	43	340	690
MW4	04/06/12	---	39.30	6.21	33.09	No	---	<250	1,800a	9,100a	<10	380	40	220	410
MW4	10/19/12	---	39.30	10.64	28.66	No	---	1,400a	20,000a	270,000	<10	440	88	2,100	3,800
MW4	03/06/13	---	39.30	8.02	31.28	No	---	---	---	---	---	---	---	---	---
MW4	06/11/13	---	39.30	9.05	30.25	No	---	<250	3,400a	16,000	<10	430	48	520	820
MW4	12/19/13	---	39.30	8.95	30.35	No	---	---	---	---	---	---	---	---	---
MW4	12/20/13	---	39.30	---	---	---	---	<250	2,800a	13,000	<10	590	41	430	530
MW4	03/05/14	---	39.30	---	---	No	---	---	---	---	---	---	---	---	---
MW4	04/03/14	---	42.04	Elevation converted to NAVD88.											
MW4	04/30/14	---	42.04	6.25	35.79	No	---	---	---	---	---	---	---	---	---
MW4	05/01/14	---	42.04	---	---	---	---	<240	3,000a	13,000	<10	520	46	310	340
MW4	10/28/14	---	42.04	10.20	31.84	No	---	<250	7,400a	15,000	<10	590	42	360	230
MW4	06/02/15	---	42.04	9.60	32.44	Sheen	---	<250	5,100a	22,000	<10	490	36	280	170
MW4	11/18/15	---	42.04	8.58	33.46	No	---	---	---	---	---	---	---	---	---
MW4	11/19/15	---	42.04	---	---	---	---	930a	7,600a	1,800a	<5.0	290	21	180	140
MW4	05/02/16	---	42.04	6.31	35.73	No	---	1,900a	14,000a	13,000a	<5.0	530	40	250	220
MW4	**10/07/16**	**---**	**42.04**	**9.53**	**32.51**	**No**	**---**	**<250**	**3,700a**	**7,000a**	**<10**	**300**	**27**	**140**	**120**
MW5	11/11/10	---	Well installed.												
MW5	12/01/10	---	40.38	Well surveyed.											
MW5	12/16/10	---	40.38	7.69	32.69	No	---	<250	1,100a	6,200	<2.5	150	96	270	980
MW5	01/31/11	---	40.38	8.00	32.38	No	---	270	4,600a	15,000	<10	520	310	1,100	2,500
MW5	04/07/11	---	40.38	6.73	33.65	No	---	<250	610a	2,500	<2.5	61	32	180	390
MW5	07/18/11	---	40.38	7.63	32.75	No	---	<250	2,000a	11,000	<2.5	340	160	990	1,800
MW5	10/13/11	---	40.38	9.31	31.07	No	---	660	7,600a	23,000	<20	390	160	1,200	3,100
MW5	04/06/12	---	40.38	6.77	33.61	No	---	<250	880a	6,000a	<5.0	62	17	360	680
MW5	10/19/12	---	40.38	10.64	29.74	No	---	280a	2,100a	15,000	<20	580	63	950	1,400
MW5	06/11/13	---	40.38	10.06	30.32	No	---	<250	2,700a	13,000	<20	540	36	930	1,200
MW5	12/19/13	---	40.38	9.85	30.53	No	---	---	---	---	---	---	---	---	---
MW5	12/20/13	---	40.38	---	---	---	---	<250	2,100a	21,000	<20	370	36	1,500	1,400
MW5	04/03/14	---	43.12	Elevation converted to NAVD88.											
MW5	04/30/14	---	43.12	7.51	35.61	No	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	43.12	---	---	---	---	<240	2,000a	10,000	<10	170	10	600	510
MW5	10/28/14	---	43.12	10.00	33.12	No	---	360a	6,200a	16,000	<10	550	17	890	360
MW5	06/02/15	---	43.12	9.68	33.44	Sheen	---	340a	4,400a	19,000	<20	340	<20	880	430
MW5	11/18/15	---	43.12	9.18	33.94	No	---	---	---	---	---	---	---	---	---
MW5	11/19/15	---	43.12	---	---	---	---	1,200a	8,300a	5,000	<20	230	<20	710	320
MW5	05/02/16	---	43.12	7.42	35.70	No	---	360a	3,000a	15,000	<20	110	<20	470	200
MW5	**10/07/16**	**---**	**43.12**	**10.51**	**32.61**	**No**	**---**	**830a**	**7,400a**	**12,000a**	**<10**	**330**	**<10**	**480**	**58**
MW6	11/03/10	---	Well installed.												
MW6	12/01/10	---	41.06	Well surveyed.											
MW6	12/16/10	---	41.06	8.55	32.51	No	---	<250	110a	1,700	<0.50	2.8	1.2	61	46

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
MW6	01/31/11	---	41.06	8.52	32.54	No	---	<250	800a	2,000a	<1.0	6.0	<1.0	30	24
MW6	04/07/11	---	41.06	7.78	33.28	No	---	<250	660a	2,000	<0.50	10	1.0	20	19
MW6	07/18/11	---	41.06	9.27	31.79	No	---	<250	350a	1,000a	<0.50	2.5	<0.50	3.8	3.5
MW6	10/13/11	---	41.06	10.21	30.85	No	---	<250	370a	890a	<0.50	2.8	<0.50	7.9	5.5
MW6	04/06/12	---	41.06	7.19	33.87	No	---	<250	440a	1,400a	<0.50	2.4	<0.50	13	15
MW6	10/19/12	---	41.06	11.36	29.70	No	---	<250	99a	510a	<0.50	4.2	1.6	8.0	7.0
MW6	06/11/13	---	41.06	10.81	30.25	No	---	<250	150a	500	<0.50	<0.50	<0.50	2.4	1.1
MW6	12/19/13	---	41.06	10.78	30.28	No	---	<250	68a	440	<0.50	<0.50	<0.50	2.3	0.87
MW6	04/03/14	---	43.80	Elevation converted to NAVD88.											
MW6	04/30/14	---	43.80	8.23	35.57	No	---	---	---	---	---	---	---	---	---
MW6	05/01/14	---	43.80	---	---	---	---	<240	450a	1,500	<0.50	2.8	0.57	13	4.8
MW6	10/28/14	---	43.80	10.91	32.89	No	---	<250	94a	260	<0.50	0.60	<0.50	0.56	<0.50
MW6	06/02/15	---	43.80	10.40	33.40	No	---	<250	360a	1,000	<0.50	0.81	<0.50	2.0	1.1
MW6	11/18/15	---	43.80	10.06	33.74	No	---	---	---	---	---	---	---	---	---
MW6	11/19/15	---	43.80	---	---	---	---	<240	370a	530a	<0.50	1.1	<0.50	5.3	1.7
MW6	05/02/16	---	43.80	7.75	36.05	No	---	<230	790a	1,800a	<0.50	17	0.91	10	4.7
MW6	**10/07/16**	**---**	**43.80**	**11.20**	**32.60**	**No**	**---**	**<250**	**180a**	**500a**	**<0.50**	**0.67**	**<0.50**	**<0.50**	**<0.50**
MW7	12/08/14	---	Well installed.												
MW7	12/23/14	---	41.21	Well surveyed.											
MW7	12/30/14	---	41.21	5.36	35.85	No	---	<250	2,900a	7,300a	<5.0	52	8.9	32	15
MW7	06/02/15	---	41.21	8.75	32.46	No	---	<250	2,700a	7,800a	<5.0	110	13	39	16
MW7	11/18/15	---	41.21	7.41	33.80	No	---	---	---	---	---	---	---	---	---
MW7	11/19/15	---	41.21	---	---	---	---	1,100a	3,700a	660a	<5.0	77	8.1	27	12
MW7	05/02/16	---	41.21	7.31	33.90	No	---	1,700a	8,100a	9,000a	<5.0	100	8.1	19	11
MW7	**10/07/16**	**---**	**41.21**	**9.52**	**31.69**	**No**	**---**	**<250**	**2,200a**	**5,600a**	**<4.0**	**140**	**5.7**	**5.7**	**9.0**
MW8	12/08/14	---	Well installed.												
MW8	12/23/14	---	39.65	Well surveyed.											
MW8	12/30/14	---	39.65	3.20	36.45	No	---	<250	<49	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	06/02/15	---	39.65	6.33	33.32	No	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	11/18/15	---	39.65	5.24	34.41	No	---	<240	<47	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	05/02/16	---	39.65	5.01	34.64	No	---	280a	180a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW8	**10/07/16**	**---**	**39.65**	**7.06**	**32.59**	**No**	**---**	**<250**	**<50**	**<50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
MW9	10/08/15	---	Well installed.												
MW9	10/16/15	---	39.50	6.45	33.05	No	---	<250	270a	360a	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	10/26/15	---	39.50	Well surveyed.											
MW9	11/18/15	---	39.50	5.50	34.00	No	---	<240	<47	81	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	05/02/16	---	39.50	5.12	34.38	No	---	<230	150a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
MW9	**10/07/16**	**---**	**39.50**	**8.03**	**31.47**	**No**	**---**	**<250**	**<50**	**120a**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**
AS1	01/18/12	---	Well installed.												
AS1	10/19/12	---	---	10.32	---	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
AS1	06/11/13	---	---	9.82	---	No	---	---	---	---	---	---	---	---	---
AS1	12/19/13	---	---	10.12	---	No	---	---	---	---	---	---	---	---	---
AS1	04/30/14	---	---	7.95	---	No	---	---	---	---	---	---	---	---	---
AS1	10/28/14	---	---	10.35	---	No	---	---	---	---	---	---	---	---	---
AS1	06/02/15	---	---	9.50	---	No	---	---	---	---	---	---	---	---	---
AS1	11/18/15	---	---	10.26	---	No	---	---	---	---	---	---	---	---	---
AS1	05/02/16	---	---	8.16	---	No	---	---	---	---	---	---	---	---	---
AS1	**10/07/16**	**---**	**---**	**10.20**	**---**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE1	01/17/12	---	Well installed.												
SVE1	02/06/12	---	40.58	Well surveyed.											
SVE1	10/19/12	---	40.58	10.21	30.37	No	---	---	---	---	---	---	---	---	---
SVE1	06/11/13	---	40.58	9.63	30.95	No	---	---	---	---	---	---	---	---	---
SVE1	12/19/13	---	40.58	9.89	30.69	No	---	---	---	---	---	---	---	---	---
SVE1	04/03/14	---	43.32	Elevation converted to NAVD88.											
SVE1	04/30/14	---	43.32	7.70	35.62	No	---	---	---	---	---	---	---	---	---
SVE1	10/28/14	---	43.32	10.17	33.15	No	---	---	---	---	---	---	---	---	---
SVE1	06/02/15	---	43.32	9.35	33.97	No	---	---	---	---	---	---	---	---	---
SVE1	11/18/15	---	43.32	9.98	33.34	No	---	---	---	---	---	---	---	---	---
SVE1	05/02/16	---	43.32	7.87	35.45	No	---	---	---	---	---	---	---	---	---
SVE1	**10/07/16**	**---**	**43.32**	**10.06**	**33.26**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE2	01/17/12	---	Well installed.												
SVE2	02/06/12	---	40.94	Well surveyed.											
SVE2	10/19/12	---	40.94	10.48	30.46	No	---	---	---	---	---	---	---	---	---
SVE2	06/11/13	---	40.94	9.94	31.00	No	---	---	---	---	---	---	---	---	---
SVE2	12/19/13	---	40.94	10.20	30.74	No	---	---	---	---	---	---	---	---	---
SVE2	04/03/14	---	43.68	Elevation converted to NAVD88.											
SVE2	04/30/14	---	43.68	8.09	35.59	No	---	---	---	---	---	---	---	---	---
SVE2	10/28/14	---	43.68	10.50	33.18	No	---	---	---	---	---	---	---	---	---
SVE2	06/02/15	---	43.68	9.69	33.99	No	---	---	---	---	---	---	---	---	---
SVE2	11/18/15	---	43.68	10.39	33.29	No	---	---	---	---	---	---	---	---	---
SVE2	05/02/16	---	43.68	8.26	35.42	No	---	---	---	---	---	---	---	---	---
SVE2	**10/07/16**	**---**	**43.68**	**10.36**	**33.32**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE3	01/17/12	---	Well installed.												
SVE3	02/06/12	---	40.93	Well surveyed.											
SVE3	10/19/12	---	40.93	10.39	30.54	No	---	---	---	---	---	---	---	---	---
SVE3	06/11/13	---	40.93	9.65	31.28	No	---	---	---	---	---	---	---	---	---
SVE3	12/19/13	---	40.93	10.31	30.62	No	---	---	---	---	---	---	---	---	---
SVE3	04/03/14	---	43.67	Elevation converted to NAVD88.											
SVE3	04/30/14	---	43.67	7.79	35.88	No	---	---	---	---	---	---	---	---	---
SVE3	10/28/14	---	43.67	10.48	33.19	No	---	---	---	---	---	---	---	---	---
SVE3	06/02/15	---	43.67	9.40	34.27	No	---	---	---	---	---	---	---	---	---

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
SVE3	11/18/15	---	43.67	10.56	33.11	No	---	---	---	---	---	---	---	---	---
SVE3	05/02/16	---	43.67	7.84	35.83	No	---	---	---	---	---	---	---	---	---
SVE3	**10/07/16**	**---**	**43.67**	**10.25**	**33.42**	**No**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE4	10/09/15	---	Well installed.												
SVE4	10/16/15	---	43.10	10.28	32.82	No	---	<250	840a	830a	<0.50	37	1.2	5.0	26
SVE4	10/26/15	---	43.10	Well surveyed.											
SVE4	11/18/15	---	43.10	8.87	34.23	No	---	---	---	---	---	---	---	---	---
SVE4	05/02/16	---	43.10	7.71	35.39	No	---	---	---	---	---	---	---	---	---
SVE4	**10/07/16**	**---**	**43.10**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE5	10/09/15	---	Well installed.												
SVE5	10/16/15	---	43.70	10.55	33.15	No	---	<250	2,000a	1,700a	<20	29	25	130	2,300
SVE5	10/26/15	---	43.70	Well surveyed.											
SVE5	11/18/15	---	43.70	9.07	34.63	No	---	---	---	---	---	---	---	---	---
SVE5	05/02/16	---	43.70	7.33	36.37	No	---	---	---	---	---	---	---	---	---
SVE5	**10/07/16**	**---**	**43.70**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE6	10/09/15	---	Well installed.												
SVE6	10/16/15	---	44.37	10.87	33.50	No	---	<240	390a	490	<0.50	31	1.8	4.2	15
SVE6	10/26/15	---	44.37	Well surveyed.											
SVE6	11/18/15	---	44.37	10.33	34.04	No	---	---	---	---	---	---	---	---	---
SVE6	05/02/16	---	44.37	8.14	36.23	No	---	---	---	---	---	---	---	---	---
SVE6	**10/07/16**	**---**	**44.37**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
SVE7	10/09/15	---	Well installed.												
SVE7	10/16/15	---	44.48	11.07	33.41	No	---	<240	240a	440a	<0.50	<0.50	<0.50	0.70	2.3
SVE7	10/26/15	---	44.48	Well surveyed.											
SVE7	11/18/15	---	44.48	10.47	34.01	No	---	---	---	---	---	---	---	---	---
SVE7	05/02/16	---	44.48	9.04	35.44	No	---	---	---	---	---	---	---	---	---
SVE7	**10/07/16**	**---**	**44.48**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**	**---**
Grab Groundwater Samples															
B-1W	01/06/08	---	---	---	---	---	26c,d	<5,000	99,000c,g,j	76,000c,f,k	<50	<50	93	3,100	9,600
B-2W	01/06/08	---	---	---	---	---	---	310d	23,000c,d,g	77,000 c,d,e	<50	1,500	300	2,000	6,800
B-3W	01/06/08	---	---	---	---	---	---	<250d	2,000d,g	6,200d,e	<10	170	32	740	250
B-4W	01/06/08	---	---	---	---	---	---	<250d	3,100d,g	7,700d,e	<10	360	<10	240	20
B-5W	01/06/08	---	---	---	---	---	---	<250d	120d,g	120d,i	<0.5	<0.5	<0.5	<0.5	<0.5
B-6W	01/06/08	---	---	---	---	---	---	<250d	830d,g	1,700d,e	<2.5	5.2	<2.5	100	8.6

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	TOC Elev. (feet)	DTW (feet)	GW Elev.	NAPL (feet)	O&G (µg/L)	TPHmo (µg/L)	TPHd (µg/L)	TPHg (µg/L)	MTBE (µg/L)	B (µg/L)	T (µg/L)	E (µg/L)	X (µg/L)
DR-W	01/06/08	---	---	---	---	---	---	<250	96g	730f,k	<0.5	<0.5	<0.5	6.9	14
W-27.5-HP1A	10/28/10	27.5	---	---	---	---	---	260	330a	63a	<0.50	<0.50	<0.50	<0.50	<0.50
W-36-HP1A	10/28/10	36	---	---	---	---	---	<250	220a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-46.5-HP1A	10/28/10	46.5	---	---	---	---	---	<420	<83	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-59-HP1B	10/27/10	59	---	---	---	---	---	<250	130	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-27.5-HP2A	10/29/10	27.5	---	---	---	---	---	<250	100a	340	<0.50	1.7	2.1	20	46
W-52-HP2A	10/29/10	52	---	---	---	---	---	<250	<50	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-60.5-HP2B	10/27/10	60.5	---	---	---	---	---	<250	62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-10-SVE1-1	01/31/12	10	---	---	---	---	---	990a	1,900a	2,000	<2.0	87	2.1	13	23
W-10-SVE1-2	01/31/12	10	---	---	---	---	---	890a	1,500a	1,400	<1.0	46	2.0	24	23
W-5-B7	02/27/14	5	---	---	---	---	---	<310	<62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-12-B8	02/28/14	12	---	---	---	---	---	<240	130a	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-5-B9	02/27/14	5	---	---	---	---	---	<310	370a	1,400a	<0.50	<0.50	<0.50	<0.50	<0.50
W-5.5-B10	02/27/14	5.5	---	---	---	---	---	<310	<62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-14-B11	03/05/14	14	---	---	---	---	---	<310	<62	<50	<0.50	<0.50	<0.50	<0.50	<0.50
W-10-B12	02/26/14	10	---	---	---	---	---	<250	800a	5,900	<0.50	<0.50	<0.50	1.9	<0.50
W-10-B13	02/28/14	10	---	---	---	---	---	<250	1,500a	6,300	<5.0	12	8.8	290	22
B14	03/05/14 b	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B15	03/05/14	14	---	---	---	---	---	<310	<62	<50	1.3	<0.50	<0.50	<0.50	<0.50
W-14-B16	02/26/14	14	---	---	---	---	---	<250	180a	170a	<0.50	1.1	<0.50	5.4	<0.50
W-10-B17	02/27/14	10	---	---	---	---	---	<270	<54	110a	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 1A
CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is NAVD88, prior to April 2014, datum was mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is NAVD88, prior to April 2014, datum was mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes 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.
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.
PCE	=	Tetrachloroethene analyzed using EPA Method 8260B.
TCE	=	Trichloroethene analyzed using EPA Method 8260B.
VOCs	=	Volatile organic compounds or halogenated volatile organic compounds analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Groundwater did not enter boring; sample not collected.
c	=	Lighter than water immiscible sheen/product is present.
d	=	Liquid sample that contains greater than approximately 1 volume % sediment.
e	=	Unmodified or weakly modified gasoline is significant.
f	=	Heavier gasoline-range compounds are significant.
g	=	Gasoline-range compounds are significant.
h	=	Analyzed beyond the EPA-recommended hold time.
i	=	Strongly aged gasoline-range or diesel-range compounds are significant.
j	=	Diesel-range compounds are significant; no recognizable pattern.
k	=	No recognizable pattern.
l	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B and semi-volatile organic compounds analyzed using EPA Method 8270C. Results were ND except for napthalene (4,000 µg/L) and 2-methylnaphthalene (3,900 µg/L).
m	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B. Results were ND except for dissolved chromium (54 µg/L).
n	=	Reporting limits elevated due to high level of non-target analytes.

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
Monitoring Well Samples																		
MW1	11/04/10	---	Well installed.															
MW1	12/16/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	01/31/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	04/07/11	---	<0.50	<0.50	<0.50	10	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	07/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	10/13/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	04/06/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	10/19/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	06/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	12/19/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	05/01/14	---	<0.50	<0.50	<0.50	5.1	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW1	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	85h	9.8	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW1	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	110	9.3	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW1	11/19/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	92h	8.8	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW1	05/02/16	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	82	9.2	<4.0	<40	<20	<2.0	<2.0	<4.0	<2.0	<2.0
MW1	**10/07/16 n**	**---**	**<1.0**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**57**	**8.0**	**<2.0**	**<20**	**<10**	**<1.0**	**<1.0**	**<2.0**	**<1.0**	**<1.0**
MW2	11/04/10	---	Well installed.															
MW2	12/16/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	01/31/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	04/07/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	07/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	10/13/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	04/06/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	10/19/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	06/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	12/19/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	05/01/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW2	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	73h	8.9	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW2	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	78	6.9	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW2	11/19/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	79h	7.7	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW2	05/02/16	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	49	5.4	<2.0	<20	<10	<1.0	<1.0	<2.0	<1.0	<1.0
MW2	**10/07/16 n**	**---**	**<1.0**	**<1.0**	**<1.0**	**<10**	**<1.0**	**<1.0**	**58**	**6.5**	**<2.0**	**<20**	**<10**	**<1.0**	**<1.0**	**<2.0**	**<1.0**	**<1.0**
MW3	11/08/10	---	Well installed.															
MW3	12/16/10	---	<12	<12	<12	<120	<12	<12	---	---	---	---	---	---	---	---	---	---
MW3	01/31/11	---	<12	<12	<12	<120	<12	<12	---	---	---	---	---	---	---	---	---	---
MW3	04/07/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	07/18/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
MW3	10/13/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	04/06/12	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW3	10/19/12	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	06/11/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	12/20/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW3	10/28/14	---	<20	<20	<20	<200	<20	<20	<20	<20	290	<400	<200	<20	<20	<40	30	<20
MW3	06/02/15	---	<20	<20	<20	<200	<20	<20	<20	<20	240	<400	<200	<20	<20	<40	21	<20
MW3	11/19/15	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	120	<100	<50	<5.0	<5.0	<10	22	14
MW3	05/02/16	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	250	<100	<50	<5.0	<5.0	<10	28	17
MW3	**10/07/16**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**<10**	**<10**	**140**	**<200**	**<100**	**<10**	**<10**	**<20**	**22**	**14**
MW3A	01/18/12	---	Well installed.															
MW3A	04/06/12	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
MW3A	10/19/12	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
MW3A	06/11/13	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
MW3A	12/19/13	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
MW3A	05/01/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW3A	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	4.6	<10	<5.0	<0.50	<0.50	<1.0	5.4	6.3
MW3A	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	1.4	<10	<5.0	<0.50	<0.50	<1.0	1.1	2.5
MW3A	11/19/15	---	<2.0	<2.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	6.5	<40	<20	<2.0	<2.0	<4.0	3.3	3.5
MW3A	05/02/16	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW3A	**10/07/16**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**1.4**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**1.7**	**2.3**
MW4	11/05/10	---	Well installed.															
MW4	12/16/10	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
MW4	01/31/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	04/07/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	07/18/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	10/13/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	04/06/12	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	10/19/12	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	06/11/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	12/20/13	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	05/01/14	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW4	10/28/14	---	<10	<10	<10	<100	<10	<10	<10	<10	270	<200	<100	<10	<10	<20	72	24
MW4	06/02/15	---	<10	<10	<10	<100	<10	<10	<10	<10	170	<200	<100	<10	<10	<20	83	27
MW4	11/19/15	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	150	<100	<50	<5.0	<5.0	<10	98	26
MW4	05/02/16	---	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	160	<100	<50	<5.0	<5.0	<10	88	25
MW4	**10/07/16**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**<10**	**<10**	**86**	**<200**	**<100**	**<10**	**<10**	**<20**	**42**	**17**
MW5	11/11/10	---	Well installed.															

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
MW5	12/16/10	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	---	---	---	---	---	---	---	---	---	---
MW5	01/31/11	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW5	04/07/11	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	---	---	---	---	---	---	---	---	---	---
MW5	07/18/11	---	<2.5	<2.5	<2.5	<25	<2.5	<2.5	---	---	---	---	---	---	---	---	---	---
MW5	10/13/11	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	04/06/12	---	<0.50	<5.0	<5.0	<50	<5.0	<5.0	---	---	---	---	---	---	---	---	---	---
MW5	10/19/12	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	06/11/13	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	12/20/13	---	<20	<20	<20	<200	<20	<20	---	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	<10	<10	<10	<100	<10	<10	---	---	---	---	---	---	---	---	---	---
MW5	10/28/14	---	<10	<10	<10	<100	<10	<10	<10	<10	250	<200	<100	<10	<10	<20	82	33
MW5	06/02/15	---	<20	<20	<20	<200	<20	<20	<20	<20	210	<400	<200	<20	<20	<40	110	42
MW5	11/19/15	---	<20	<20	<20	<200	<20	<20	<20	<20	210	<400	<200	<20	<20	<40	79	29
MW5	05/02/16	---	<20	<20	<20	<200	<20	<20	<20	<20	150	<400	<200	<20	<20	<40	300	98
MW5	**10/07/16**	**---**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**<10**	**<10**	**240**	**<200**	**<100**	**<10**	**<10**	**<20**	**160**	**58**
MW6	11/03/10	---	Well installed.															
MW6	12/16/10	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	01/31/11	---	<1.0	<1.0	<1.0	<10	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
MW6	04/07/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	07/18/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	10/13/11	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	04/06/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	10/19/12	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	06/11/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	12/19/13	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	05/01/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
MW6	10/28/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	1.4	<10	<5.0	<0.50	<0.50	<1.0	<0.50	0.73
MW6	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	3.3	<10	<5.0	<0.50	<0.50	<1.0	3.2	2.9
MW6	11/19/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	10	16	6.5	<0.50	<0.50	<1.0	7.0	5.0
MW6	05/02/16	---	<0.50	<0.50	<0.50	5.5	<0.50	<0.50	<0.50	<0.50	22	<10	<5.0	<0.50	<0.50	<1.0	13	7.8
MW6	**10/07/16**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**0.61**	**0.60**
MW7	12/08/14	---	Well installed.															
MW7	12/30/14	---	<5.0	<5.0	<5.0	<50	<5.0	13	---	---	---	---	---	---	---	---	---	---
MW7	06/02/15	---	<5.0	<5.0	<5.0	<50	<5.0	19	<5.0	<5.0	150	<100	<50	<5.0	<5.0	<10	45	24
MW7	11/19/15	---	<5.0	<5.0	<5.0	<50	<5.0	13	<5.0	<5.0	220	<100	<50	<5.0	<5.0	<10	36	18
MW7	05/02/16	---	<5.0	<5.0	<5.0	<50	<5.0	15	<5.0	<5.0	84	<100	<50	<5.0	<5.0	<10	72	33
MW7	**10/07/16**	**---**	**<4.0**	**<4.0**	**<4.0**	**<40**	**<4.0**	**18**	**<4.0**	**<4.0**	**52**	**<80**	**<40**	**<4.0**	**<4.0**	**<8.0**	**39**	**18**
MW8	12/08/14	---	Well installed.															
MW8	12/30/14	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
MW8	06/02/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	0.85	<1.0	<0.50	<0.50
MW8	11/18/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW8	05/02/16	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW8	**10/07/16**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**<0.50**	**<0.50**
MW9	10/08/15	---	Well installed.															
MW9	10/16/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	1.4	0.93
MW9	11/18/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	0.60	<0.50
MW9	05/02/16	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	<0.50	<0.50
MW9	**10/07/16**	**---**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<1.0**	**<10**	**<5.0**	**<0.50**	**<0.50**	**<1.0**	**0.66**	**<0.50**
AS1	01/18/12	---	Well installed.															
AS1	10/19/12 - Present	Not sampled.																
SVE1	01/17/12	---	Well installed.															
SVE1	10/19/12 - Present	Not sampled.																
SVE2	01/17/12	---	Well installed.															
SVE2	10/19/12 - Present	Not sampled.																
SVE3	01/17/12	---	Well installed.															
SVE3	10/19/12 - Present	Not sampled.																
SVE4	10/09/15	---	Well installed.															
SVE4	10/16/15	---	<0.50	<0.50	<0.50	5.4	<0.50	<0.50	<0.50	<0.50	15	<10	<5.0	<0.50	<0.50	<1.0	2.5	1.5
SVE4	11/18/15 - Present	Not sampled.																
SVE5	10/09/15	---	Well installed.															
SVE5	10/16/15	---	<20	<20	<20	<200	<20	<20	<20	<20	140	<400	<200	<20	<20	<40	24	<20
SVE5	11/18/15 - Present	Not sampled.																
SVE6	10/09/15	---	Well installed.															
SVE6	10/16/15	---	<0.50	<0.50	<0.50	5.7	<0.50	<0.50	<0.50	<0.50	1.9	<10	<5.0	<0.50	<0.50	<1.0	3.1	1.0
SVE6	11/18/15 - Present	Not sampled.																
SVE7	10/09/15	---	Well installed.															
SVE7	10/16/15	---	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<1.0	<10	<5.0	<0.50	<0.50	<1.0	0.97	1.7
SVE7	11/18/15 - Present	Not sampled.																
Grab Groundwater Samples																		
B-1W	01/06/08		<50	<50	<50	<200	<50	<50	<50	<50	1,500	<1,000	<200	<50	<50	<50	210	68

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
B-2W	01/06/08	---	<50	<50	<50	<200	<50	<50	<50	<50	610	<1,000	<200	<50	<50	<50	110	<50
B-3W	01/06/08	---	<10	<10	<10	<40	<10	<10	<10	<10	55	<200	<40	<10	<10	<10	25	11
B-4W	01/06/08	---	<10	<10	<10	<40	<10	<10	<10	<10	100	<200	<40	<10	<10	<10	46	19
B-5W	01/06/08	---	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	6.5	<10	<2.0	<0.5	<0.5	<0.5	2.6	<0.5
B-6W	01/06/08	---	<2.5	<2.5	<2.5	<10	<2.5	<2.5	<2.5	<2.5	38	<50	10	<2.5	<2.5	<2.5	14	5.6
DR-W	01/06/08 m		<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	<0.5	7.0	<10	<2.0	<0.5	<0.5	<0.5	6.9	2.4
W-27.5-HP1A	10/28/10	27.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-36-HP1A	10/28/10	36	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-46.5-HP1A	10/28/10	46.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-59-HP1B	10/27/10	59	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-27.5-HP2A	10/29/10	27.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-52-HP2A	10/29/10	52	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-60.5-HP2B	10/27/10	60.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-2	01/31/12	10	<1.0	<1.0	<1.0	57	<1.0	<1.0	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-1	01/31/12	10	<2.0	<2.0	<2.0	62	<2.0	<2.0	---	---	---	---	---	---	---	---	---	---
W-5-B7	02/27/14	5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-12-B8	02/28/14	12	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-5-B9	02/27/14	5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-5.5-B10	02/27/14	5.5	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-14-B11	03/05/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-10-B12	02/26/14	10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-10-B13	02/28/14	10	<5.0	<5.0	<5.0	<50	<5.0	<5.0	<5.0	<5.0	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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)	PCE (µg/L)	TCE (µg/L)	Naph-thalene (µg/L)	Ace-tone (µg/L)	2-buta-none (µg/L)	Bromo-benzene (µg/L)	Bromodichloro-methane (µg/L)	Bromo-methane (µg/L)	n-Butyl-benzene (µg/L)	secButyl-benzene (µg/L)
B14	03/05/14 b		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B15	03/05/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	32	2.6	---	---	---	---	---	---	---	---
W-14-B16	02/26/14	14	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	---	---	---	---	---	---	---	---
W-10-B17	02/27/14	10	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	0.65	---	---	---	---	---	---	---	---

TABLE 1B
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is NAVD88, prior to April 2014, datum was mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is NAVD88, prior to April 2014, datum was mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes 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.
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.
PCE	=	Tetrachloroethene analyzed using EPA Method 8260B.
TCE	=	Trichloroethene analyzed using EPA Method 8260B.
VOCs	=	Volatile organic compounds or halogenated volatile organic compounds analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Groundwater did not enter boring; sample not collected.
c	=	Lighter than water immiscible sheen/product is present.
d	=	Liquid sample that contains greater than approximately 1 volume % sediment.
e	=	Unmodified or weakly modified gasoline is significant.
f	=	Heavier gasoline-range compounds are significant.
g	=	Gasoline-range compounds are significant.
h	=	Analyzed beyond the EPA-recommended hold time.
i	=	Strongly aged gasoline-range or diesel-range compounds are significant.
j	=	Diesel-range compounds are significant; no recognizable pattern.
k	=	No recognizable pattern.
l	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B and semi-volatile organic compounds analyzed using EPA Method 8270C. Results were ND except for napthalene (4,000 µg/L) and 2-methylnaphthalene (3,900 µg/L).
m	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B. Results were ND except for dissolved chromium (54 µg/L).
n	=	Reporting limits elevated due to high level of non-target analytes.

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
Monitoring Well Samples																			
MW1	11/04/10	---	Well installed.																
MW1	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW1	10/28/14	---	<1.0	<0.50	<0.50	<0.50	<0.50	18	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<0.50	<0.50	ND
MW1	06/02/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	19	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW1	11/19/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	20	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW1	05/02/16	---	<4.0	<2.0	<2.0	<2.0	<2.0	8.8	<20	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	ND
MW1	**10/07/16 n**	**---**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**17**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**ND**
MW2	11/04/10	---	Well installed.																
MW2	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW2	10/28/14	---	<1.0	<0.50	<0.50	<0.50	<0.50	8.8	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW2	06/02/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	8.4	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW2	11/19/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	9.7	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW2	05/02/16	---	<2.0	<1.0	<1.0	<1.0	<1.0	5.1	<10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	ND
MW2	**10/07/16 n**	**---**	**<2.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**7.6**	**<10**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**<1.0**	**ND**
MW3	11/08/10	---	Well installed.																
MW3	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
MW3	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3	10/28/14	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	110	210	<20	<20	<20	36	<20	ND
MW3	06/02/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	90	130	<20	<20	<20	40	<20	ND
MW3	11/19/15	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	95	140	16	<5.0	9.5	24	9.6	ND
MW3	05/02/16	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	110	180	21	<5.0	21	52	11	ND
MW3	**10/07/16**	**---**	**<20**	**<10**	**<10**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**88**	**150**	**14**	**<10**	**10**	**25**	**<10**	**ND**
MW3A	01/18/12	---	Well installed.																
MW3A	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW3A	10/28/14	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	20	28	2.0	<0.50	4.6	1.6	2.9	ND
MW3A	06/02/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	2.4	3.3	<0.50	<0.50	2.5	0.61	0.89	ND
MW3A	11/19/15	---	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<20	<2.0	<2.0	11	13	<2.0	<2.0	3.2	<2.0	2.3	ND
MW3A	05/02/16	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	0.75	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW3A	**10/07/16**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**4.7**	**5.1**	**<0.50**	**<0.50**	**1.3**	**0.80**	**1.2**	**ND**
MW4	11/05/10	---	Well installed.																
MW4	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW4	10/28/14	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	75	190	<10	<10	350	160	<10	ND
MW4	06/02/15	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	70	170	<10	<10	320	130	10	ND
MW4	11/19/15	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	56	140	12	<5.0	340	140	9.9	ND
MW4	05/02/16	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	74	180	11	<5.0	340	140	8.8	ND
MW4	**10/07/16**	**---**	**<20**	**<10**	**<10**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**44**	**100**	**<10**	**<10**	**130**	**54**	**<10**	**ND**
MW5	11/11/10	---	Well installed.																

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
MW5	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	12/20/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW5	10/28/14	---	<20	<10	<10	<10	<10	<10	<100	<10	<10	120	380	14	<10	730	130	<10	ND
MW5	06/02/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	120	390	<20	<20	820	150	<20	ND
MW5	11/19/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	98	280	<20	<20	620	130	<20	ND
MW5	05/02/16	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	110	420	45	<20	780	160	<20	ND
MW5	**10/07/16**	**---**	**<20**	**<10**	**<10**	**<10**	**<10**	**<10**	**<100**	**<10**	**<10**	**130**	**450**	**21**	**<10**	**540**	**130**	**<10**	**ND**
MW6	11/03/10	---	Well installed.																
MW6	12/16/10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	01/31/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	04/07/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	07/18/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	10/13/11	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	04/06/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	10/19/12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	06/11/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	12/19/13	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	05/01/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW6	10/28/14	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	0.84	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW6	06/02/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	4.6	11	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW6	11/19/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	12	29	<0.50	<0.50	0.60	<0.50	<0.50	ND
MW6	05/02/16	---	<1.0	0.65	<0.50	<0.50	<0.50	<0.50	<5.0	0.50	<0.50	20	51	<0.50	<0.50	0.92	0.73	<0.50	ND
MW6	**10/07/16**	**---**	**<1.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**0.68**	**1.5**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
MW7	12/08/14	---	Well installed.																
MW7	12/30/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
MW7	06/02/15	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	110	270	<5.0	<5.0	<5.0	<5.0	<5.0	ND
MW7	11/19/15	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	86	220	<5.0	<5.0	<5.0	<5.0	<5.0	ND
MW7	05/02/16	---	<10	<5.0	<5.0	<5.0	<5.0	<5.0	<50	<5.0	<5.0	77	220	<5.0	<5.0	<5.0	<5.0	5.3	ND
MW7	**10/07/16**	**---**	**<8.0**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**<40**	**<4.0**	**<4.0**	**45**	**140**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**<4.0**	**ND**
MW8	12/08/14	---	Well installed.																
MW8	12/30/14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
MW8	06/02/15	---	<1.0	<0.50	<0.50	23	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW8	11/18/15	---	<1.0	<0.50	<0.50	3.2	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW8	05/02/16	---	<1.0	<0.50	<0.50	2.1	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW8	**10/07/16**	**---**	**<1.0**	**<0.50**	**<0.50**	**16**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
MW9	10/08/15	---	Well installed.																
MW9	10/16/15	---	<1.0	<0.50	<0.50	4.1	<0.50	<0.50	<5.0	<0.50	<0.50	1.6	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW9	11/18/15	---	<1.0	<0.50	<0.50	3.0	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	0.53	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW9	05/02/16	---	<1.0	<0.50	<0.50	0.82	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	ND
MW9	**10/07/16**	**---**	**<1.0**	**<0.50**	**<0.50**	**1.6**	**<0.50**	**<0.50**	**<5.0**	**<0.50**	**<0.50**	**<0.50**	**0.53**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**<0.50**	**ND**
AS1	01/18/12	---	Well installed.																
AS1	10/19/12	- Present	Not sampled.																
SVE1	01/17/12	---	Well installed.																
SVE1	10/19/12	- Present	Not sampled.																
SVE2	01/17/12	---	Well installed.																
SVE2	10/19/12	- Present	Not sampled.																
SVE3	01/17/12	---	Well installed.																
SVE3	10/19/12	- Present	Not sampled.																
SVE4	10/09/15	---	Well installed.																
SVE4	10/16/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	0.68	<0.50	4.3	2.8	0.59	<0.50	7.2	11	0.75	ND
SVE4	11/18/15	- Present	Not sampled.																
SVE5	10/09/15	---	Well installed.																
SVE5	10/16/15	---	<40	<20	<20	<20	<20	<20	<200	<20	<20	28	<20	<20	<20	520	210	<20	ND
SVE5	11/18/15	- Present	Not sampled.																
SVE6	10/09/15	---	Well installed.																
SVE6	10/16/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	1.3	0.80	0.99	<0.50	1.8	14	<0.50	ND
SVE6	11/18/15	- Present	Not sampled.																
SVE7	10/09/15	---	Well installed.																
SVE7	10/16/15	---	<1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	2.2	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	ND
SVE7	11/18/15	- Present	Not sampled.																
Grab Groundwater Samples																			
B-1W	01/06/08	I	---	<50	<50	<50	<50	<50	<50	<20	<50	---	370	1,100	---	<50	3,800	1,300	---	ND
B-2W	01/06/08		---	<50	<50	<50	<50	<50	<50	32	<50	---	140	440	---	<50	2,400	730	---	ND

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Well ID	Sampling Date	Depth (feet)	Carbon Disulfide (µg/L)	Chloro-benzene (µg/L)	Chloro-ethane (µg/L)	Chloro-form (µg/L)	4-Chloro-toluene (µg/L)	cis-1,2-dichloro-ethene (µg/L)	1,2-dibromo-3-chloro-propane (µg/L)	1,2-Dichloro-benzene (µg/L)	t-1,2-Dichloro-ethene (µg/L)	Iso-propyl-benzene (µg/L)	n-propyl-benzene (µg/L)	p-iso-propyl-toluene (µg/L)	Styrene (µg/L)	1,2,4-trimethyl-benzene (µg/L)	1,3,5-trimethyl-benzene (µg/L)	tert-butyl-benzene (µg/L)	Additional VOCs (µg/L)
B-3W	01/06/08	---	<10	<10	<10	<10	<10	<10	<4.0	<10	---	74	190	---	<10	290	49	---	ND
B-4W	01/06/08	---	<10	<10	<10	<10	<10	<10	<4.0	<10	---	48	160	---	<10	16	<10	---	ND
B-5W	01/06/08	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	---	<0.5	0.83	---	<0.5	4.8	1.2	---	ND
B-6W	01/06/08	---	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<1.0	<2.5	---	17	60	---	<2.5	32	5.8	---	ND
DR-W	01/06/08 m	---	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.2	<0.5	---	2.5	11	---	<0.5	17	5.5	---	ND
W-27.5-HP1A	10/28/10	27.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-36-HP1A	10/28/10	36	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-46.5-HP1A	10/28/10	46.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-59-HP1B	10/27/10	59	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-27.5-HP2A	10/29/10	27.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-52-HP2A	10/29/10	52	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-60.5-HP2B	10/27/10	60.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-2	01/31/12	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-SVE1-1	01/31/12	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-5-B7	02/27/14	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-12-B8	02/28/14	12	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-5-B9	02/27/14	5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-5.5-B10	02/27/14	5.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B11	03/05/14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-B12	02/26/14	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-B13	02/28/14	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
B14	03/05/14 b	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B15	03/05/14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-14-B16	02/26/14	14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
W-10-B17	02/27/14	10	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

TABLE 1C
ADDITIONAL CUMULATIVE GROUNDWATER MONITORING AND SAMPLING DATA - VOCs
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, California

Notes:

TOC	=	Top of well casing elevation; datum is NAVD88, prior to April 2014, datum was mean sea level.
DTW	=	Depth to water.
GW Elev.	=	Groundwater elevation; datum is NAVD88, prior to April 2014, datum was mean sea level. If liquid-phase hydrocarbons present, elevation adjusted using TOC - [DTW - (PT x 0.76)].
NAPL	=	Non-aqueous phase liquid.
O&G	=	Oil and grease with silica gel clean-up analyzed using Standard Method 5520B/F.
TPHmo	=	Total petroleum hydrocarbons as motor oil analyzed using EPA Method 8015 (modified).
TPHd	=	Total petroleum hydrocarbons as diesel analyzed using EPA Method 8015 (modified).
TPHg	=	Total petroleum hydrocarbons as gasoline analyzed using EPA Method 8015 (modified).
MTBE	=	Methyl tertiary butyl ether analyzed using EPA Method 8260B.
BTEX	=	Benzene, toluene, ethylbenzene, and total xylenes 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.
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.
PCE	=	Tetrachloroethene analyzed using EPA Method 8260B.
TCE	=	Trichloroethene analyzed using EPA Method 8260B.
VOCs	=	Volatile organic compounds or halogenated volatile organic compounds analyzed using EPA Method 8260B.
µg/L	=	Micrograms per liter.
ND	=	Not detected at or above laboratory reporting limits.
---	=	Not measured/Not sampled/Not analyzed.
<	=	Less than the stated laboratory reporting limit.
a	=	The chromatographic pattern does not match that of the specified standard.
b	=	Groundwater did not enter boring; sample not collected.
c	=	Lighter than water immiscible sheen/product is present.
d	=	Liquid sample that contains greater than approximately 1 volume % sediment.
e	=	Unmodified or weakly modified gasoline is significant.
f	=	Heavier gasoline-range compounds are significant.
g	=	Gasoline-range compounds are significant.
h	=	Analyzed beyond the EPA-recommended hold time.
i	=	Strongly aged gasoline-range or diesel-range compounds are significant.
j	=	Diesel-range compounds are significant; no recognizable pattern.
k	=	No recognizable pattern.
l	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B and semi-volatile organic compounds analyzed using EPA Method 8270C. Results were ND except for napthalene (4,000 µg/L) and 2-methylnaphthalene (3,900 µg/L).
m	=	Additional analyses: CAM 5 metals analyzed using EPA Method 6010B. Results were ND except for dissolved chromium (54 µg/L).
n	=	Reporting limits elevated due to high level of non-target analytes.

TABLE 2
WELL CONSTRUCTION DETAILS
Former Exxon Service Station 79374
990 San Pablo Avenue
Albany, 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
MW1	11/04/10	44.19	8	17	17	2	Schedule 40 PVC	12-17	0.020	10-17	#3 Sand
MW2	11/04/10	43.99	8	17	17	4	Schedule 40 PVC	12-17	0.020	10-17	#3 Sand
MW3	11/08/10	43.16	8	17	17	4	Schedule 40 PVC	11-16	0.020	9-16	#3 Sand
MW3A	01/18/12	43.42	10	15.5	15.5	4	Schedule 40 PVC	5-15	0.020	4.5-15.5	#2/12 Sand
MW4	11/05/10	42.04	8	17	13	2	Schedule 40 PVC	8-13	0.020	6-13	#3 Sand
MW5	11/05/10	43.12	8	17	14	2	Schedule 40 PVC	9-14	0.020	7-14	#3 Sand
MW6	11/03/10	43.80	10	20	20	2	Schedule 40 PVC	15-20	0.020	13-20	#3 Sand
MW7	12/08/14	41.21	10	15	15	2	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
MW8	12/08/14	39.65	10	15	15	2	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
MW9	10/08/15	39.50	10	16	15	2	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
AS1	01/18/12	---	8	15.5	15.5	1	Schedule 80 PVC	10.25-13.5	#60 mesh	10.5-15.5	#2/12 Sand
SVE1	01/17/12	43.32	10	15.5	15.5	4	Schedule 40 PVC	5-15	0.020	4.5-15.5	#2/12 Sand
SVE2	01/17/12	43.68	10	15	15	4	Schedule 40 PVC	5-15	0.020	4.5-15	#2/12 Sand
SVE3	01/17/12	43.67	10	15	15	4	Schedule 40 PVC	5-15	0.020	4.5-15.5	#2/12 Sand
SVE4	10/09/15	43.10	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVE5	10/09/15	43.70	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVE6	10/09/15	44.37	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVE7	10/09/15	44.48	12	16	15	4	Schedule 40 PVC	5-15	0.020	4-15	#3 Sand
SVS1	02/25/14	---	4	5.6	5.6	0.25	PVC	5.4-5.6	0.010	4.6-5.6	#3 Sand
SVS2	02/25/14	---	4	5.6	5.6	0.25	PVC	5.4-5.6	0.010	4.6-5.6	#3 Sand
SVS3	02/25/14	---	4	5.6	5.6	0.25	PVC	5.4-5.6	0.010	4.6-5.6	#3 Sand
SVS4	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand
SVS5	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand
SVS6	09/28/16	---	2.25	3.0	2.5	0.25	PVC	2.1-2.3	0.010	2-3	#3 Sand
SVS7	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand
SVS8	09/28/16	---	2.25	2.5	2.5	0.25	PVC	2.1-2.3	0.010	2-2.5	#3 Sand

Notes:
TOC = Top of well casing elevation; datum is NAVD88.
PVC = Polyvinyl chloride.
feet bgs = Feet below ground surface.

APPENDIX A

PROTOCOLS

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.

The wells are purged using a submersible pump. Prior to use at the site and between wells the pump is cleaned.

Five gallons of water are placed in three 15-gallon tubs. Liquinox detergent is added to the first tub of water. The pump and tubing are submerged in the first tub and the water is pumped through the pump. The process is repeated in the second and third tub.

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.

Water generated during purging and cleaning is contained and transported off site for treatment and disposal.

APPENDIX B

FIELD DATA SHEETS

Cardno
Shaping the Future

Daily Field Report

Project ID #: Former Exxon # 79374 Cardno Job # 2735
Subject: Monitoring and Sampling Q4 2016 Date: 10/7/16
Equipment Used: DTW Tape, Hand tools, PH Meter Sheet: of
Name(s): Sean R. Johnson, Hugo C.
Time Arrived On Site: 0430 Time Departed Site: 1000 Total Travel: 1.25

On Site at 0430.

Held health and safety meeting, reviewed HASP and JSA's.
Opened general work permit and signed in on safety agreement. 0430 - 0445

Opened all wells for equilization. 0445 - 0515
DTW on all wells. 0545 - 0600.

Purged and sampled wells MW8, MW9, MW7, MW5, MW4, MW6, 0600 - 0945.

Cleaned Equipment and checked Site. 0945 - 1000

off-site at 1000.

*Recap- slow recharge on wells. Trained Hugo on MSS procedures.

Total water for 10/7/16
Purge water: 20 gallons
Decon water: 20 gallons
Total water: 40 gallons

Total water for Event: (All wells)
Purge water: 42 gallons
Decon water: 40 gallons
Total water: 82 gallons.

* Well MW4 had no NAPL present.

601 North McDowell Blvd, Petaluma, CA 94954 Office: 707-766-200 Fax: 707-789-0414

Daily Field Report

Cardno
Shaping the Future

Project ID #: 74374 | Cardno Job # 2735C
Subject: M&S Field Notes | Date: 10/7/16
Equipment Used: Purging, Sampling, Decon, Hand Tools | Sheet: 1 of 1
Name(s): Jonah Kahl
Time Arrived On Site: 0430 | Time Departed Site: 1000 | Total Travel 1.25

- 0430 - Arrive on site
0430-0445 - Safety tailgate meeting.
0445-0515 - Open wells
0515-0600 - Set up decon
0600-0800 - Purge wells (MW1, MW2, MW3A, MW3)
0800-0945 - Sample wells (MW1, MW2, MW3A, MW3)
0945-1000 - Close wells, final decon, clean site/truck
1000 - off site

Total Water:
Purge - 22 gallons
Decon - 20 gallons
Total - 42 gallons

*MW1 sampled before 80% due to location/access

Out-Of-Scope Tasks:

*M/P/S ___ WELLS | *M/S ___ WELLS | *M/S LOW FLOW ___ WELLS
*MO ___ WELLS | *O/P ___ WELLS | *POTABLE ___ WELLS
*TOOK TWO AT _____
TOTAL PURGED GALLONS: _____
*___ T/C SET UPS

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: 79374 | Location: 990 San Pablo Ave | Date: 10/7/16 | Name: SS, JK, HC

WELL ID	WELL DIAMETER inches	ODOR? SHEEN?	TOTAL DEPTH feet	Pre-Purge DTW feet	Case volume Gal.	80% r/chrg. DTW feet	COMMENTS
AS1	1		—	10.20	—	—	
SVE1	4		—	10.06	—	—	
SVE2	4		—	10.36	—	—	
SVE3	4		—	10.25	—	—	
MW1	2		16.61	10.65	0.97	11.84	
MW2	4		16.89	10.91	3.90	12.11	
MW8	2		14.46	7.06	1.21	8.54	
MW9	2		14.37	8.03	1.03	9.30	
MW3A	4		14.98	10.31	3.04	11.24	
MW6	2		19.26	11.20	1.31	12.81	
MW7	2		14.44	9.52	0.80	10.50	
MW5	2		13.40	10.51	0.47	11.08	
MW3	4		15.20	10.13	3.31	11.14	
MW4	2		13.10	9.53	0.58	10.24	

WATER SAMPLING SITE STATUS

Date: 10/7/16

Inspected by: ST, HC

Cardno Job No.: 2735 Station No.: 79374 Site Address: 990 San Pablo Ave, Albany, 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	
MW8	ok	ok	ok	N	ok	ok	N	ok	ok	—	—	—	ok	ok	
MW9	ok	ok	ok	ok	ok	ok	N	ok	ok						
MW7	ok	ok	ok	N	ok	ok	N	ok	ok						
MW5	ok	ok	ok	ok	ok	ok	N	ok	ok						
MW4	ok	ok	ok	N	ok	ok	N	ok	ok						
MW6	ok	ok	ok	N	ok	ok	N	ok	ok						
AS1	ok	ok	NA	NA	ok	NA	N	ok	ok						1" Plug for cap
SVE1	ok	ok	ok	N	ok	ok	N	ok	ok						
SVE2	ok	ok	ok	N	ok	ok	N	ok	ok						
SVE3	ok	ok	ok	N	ok	ok	N	ok	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).

WATER SAMPLING SITE STATUS

Date: 10/7/16

Inspected by: JK

Cardno Job No.: 2735C Station No.: 79374 Site Address: 990 San Pablo Ave, Albany 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	
MW1	ok	ok	ok	N	ok	ok	N	ok	ok	N/A	0	N/A	o	ok	No lock
MW2	ok	ok	ok	N	ok	ok	Y	ok	ok	N/A	0	N/A	o	ok	No lock
MW3A	ok	ok	ok	N	ok	ok	N	ok	ok	N/A	0	N/A	o	ok	No lock
MW3	ok	ok	ok	N	ok	ok	N	ok	ok	N/A	0	N/A	o	ok	No lock

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
Location: 79374
Field Crew: SJ, HC, JK

Cardno Job #: 2735
Field Cleaning Performed: —
Analysis: —

Date: 10/7/16 Page 1 of 2

Case Volume = (TD - DTW) x F where F =

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
MW8	0605	1.21	2				10.05	NO						DRY @ 4.0
	0607		2	19.7	306	8.13	Sample Date: 10/7/16							gallons
	0609		4	19.4	493	7.70	Sample Name: MW8							
	0607		6	—	—	—	Sample Time: 0820							
MW9	0617	1.03	2				12.14	NO						DRY @ 4.0 gallons
	0618		2	19.2	411	8.09	Sample Date: 10/7/16							
	0619		4	19.3	729	7.71	Sample Name: MW9							
	0619		6	—	—	—	Sample Time: 0845							
MW7	0642	0.80	1				10.38	YES						
	0643		1	19.5	718	7.36	Sample Date: 10/7/16							
	0644		2	19.8	778	7.13	Sample Name: MW7							
	0644		3	19.7	915	7.07	Sample Time: 0900							
MW5	0656	0.47	1				11.59	NO						DRY @ 2.0
	0657		1	19.6	855	7.21	Sample Date: 10/7/16							gallons
	0658		2	20.1	866	7.05	Sample Name: MW5							
	—		3	—	—	—	Sample Time: 0910							
MW4	0707	0.58	1				10.54	NO						DRY @ 2 gallons
	0708		1	20.1	887	7.15	Sample Date: 10/7/16							
	0708		2	21.0	928	7.08	Sample Name: MW4							
	—		3	—	—	—	Sample Time: 0915							
MW6	0730	1.31	2				15.45	NO						DRY @ 5.0 gallons
	0731		2	18.9	718	7.55	Sample Date: 10/7/16							
	0733		4	19.6	729	7.17	Sample Name: MW6							
	—		6	—	—	—	Sample Time: 0940							
							Sample Date:							
							Sample Name:							
							Sample Time:							

GROUNDWATER SAMPLING FIELD LOG

Client Name: ~~Exxon~~ Mobil
Location: 79374
Field Crew: SJ, HC, JK

Cardno Job #: 2735
Field Cleaning Performed: -
Analysis: -

Date: 10/7/16 Page 2 of 2

Case Volume = (TD - DTW) x F where F =

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
MW1	0608	0.97	1				13.27	N						
	0610		1	22.7	1005	7.06	Sample Date: 10/7/16							
	0610		2	22.6	1012	7.12	Sample Name: MW1							
	0611		3	22.3	1020	7.08	Sample Time: 0645							
MW2	0624	3.90	4				11.45	Y						Dry @ 7 gal
	0627		4	21.8	1009	7.05	Sample Date:							
							Sample Name:							
							Sample Time: 0800							
MW3A	0718	3.04	4				14.24	N						Dry @ 7 gal
	0720		4	22.5	600	7.18	Sample Date:							
							Sample Name:							
							Sample Time: 0920							
MW3	0732	3.31	4				14.03	N						Dry @ 5 gal
	0734		4	22.3	948	7.00	Sample Date:							
							Sample Name:							
							Sample Time: 0935							
							Sample Date:							
							Sample Name:							
							Sample Time:							
							Sample Date:							
							Sample Name:							
							Sample Time:							
							Sample Date:							
							Sample Name:							
							Sample Time:							

APPENDIX C

LABORATORY ANALYTICAL REPORT

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Supplemental Report 1

The original report has been revised/corrected.

WORK ORDER NUMBER: 16-10-0977

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For
Client: Cardno
Client Project Name: ExxonMobil 79374/022735C
Attention: Scott Perkins
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Approved for release on 11/21/2016 by:
Cecile deGuia
Project Manager

ResultLink

Email your PM

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Client Project Name: ExxonMobil 79374/022735C
Work Order Number: 16-10-0977

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Work Order Narrative

Work Order: 16-10-0977 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 10/13/16. They were assigned to Work Order 16-10-0977.

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.

Subcontractor Information:

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

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.

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.

Please note that the report has been amended to include the halogenated VOCs with the EPA 8260B report. This request superceded the initial request of EPA 8260B for BTEX plus seven oxygenates only.

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Sample Summary

Client:	Cardno	Work Order:	16-10-0977
	601 North McDowell Blvd.	Project Name:	ExxonMobil 79374/022735C
	Petaluma, CA 94954-2312	PO Number:	022735C
		Date/Time Received:	10/13/16 10:45
		Number of Containers:	102
Attn:	Scott Perkins		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
QCBB	16-10-0977-1	10/07/16 06:30	2	Aqueous
MW1	16-10-0977-2	10/07/16 06:45	10	Aqueous
MW2	16-10-0977-3	10/07/16 08:00	10	Aqueous
MW3	16-10-0977-4	10/07/16 09:35	10	Aqueous
MW3A	16-10-0977-5	10/07/16 09:20	10	Aqueous
MW4	16-10-0977-6	10/07/16 09:15	10	Aqueous
MW5	16-10-0977-7	10/07/16 09:10	10	Aqueous
MW6	16-10-0977-8	10/07/16 09:40	10	Aqueous
MW7	16-10-0977-9	10/07/16 09:00	10	Aqueous
MW8	16-10-0977-10	10/07/16 08:20	10	Aqueous
MW9	16-10-0977-11	10/07/16 08:45	10	Aqueous

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 79374/022735C			Page 1 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW1	**16-10-0977-2-J**	**10/07/16 06:45**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 09:10**	**161013B09**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW2	**16-10-0977-3-J**	**10/07/16 08:00**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 09:31**	**161013B09**

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3	**16-10-0977-4-J**	**10/07/16 09:35**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 09:52**	**161013B09**

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
MW3A	**16-10-0977-5-J**	**10/07/16 09:20**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 10:14**	**161013B09**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW4	**16-10-0977-6-J**	**10/07/16 09:15**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 10:35**	**161013B09**

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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Project: ExxonMobil 79374/022735C

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW5	**16-10-0977-7-J**	**10/07/16 09:10**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 10:55**	**161013B09**

Parameter	Result	RL	DF	Qualifiers
TPH as Motor Oil	830	250	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW6	**16-10-0977-8-J**	**10/07/16 09:40**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 11:16**	**161013B09**

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**16-10-0977-9-J**	**10/07/16 09:00**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 11:37**	**161013B09**

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW8	**16-10-0977-10-J**	**10/07/16 08:20**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 11:58**	**161013B09**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**16-10-0977-11-J**	**10/07/16 08:45**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 12:19**	**161013B09**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	68-140	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 79374/022735C			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	**099-15-278-1305**	**N/A**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 07:24**	**161013B09**

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

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

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

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Analytical Report

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

Project: ExxonMobil 79374/022735C

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 3510C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW1	**16-10-0977-2-J**	**10/07/16 06:45**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 09:10**	**161013B08**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW2	**16-10-0977-3-J**	**10/07/16 08:00**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 09:31**	**161013B08**

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

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3	**16-10-0977-4-J**	**10/07/16 09:35**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 09:52**	**161013B08**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3200	50	1.00	SG,HD

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
MW3A	**16-10-0977-5-J**	**10/07/16 09:20**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 10:14**	**161013B08**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	85	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW4	**16-10-0977-6-J**	**10/07/16 09:15**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 10:35**	**161013B08**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	3700	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		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 79374/022735C			Page 2 of 3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW5	**16-10-0977-7-J**	**10/07/16 09:10**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 10:55**	**161013B08**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	7400	50	1.00	SG,HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	99	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW6	**16-10-0977-8-J**	**10/07/16 09:40**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 11:16**	**161013B08**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	180	50	1.00	SG,HD

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**16-10-0977-9-J**	**10/07/16 09:00**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 11:37**	**161013B08**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	2200	50	1.00	SG,HD

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW8	**16-10-0977-10-J**	**10/07/16 08:20**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 11:58**	**161013B08**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	94	68-140	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**16-10-0977-11-J**	**10/07/16 08:45**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 12:19**	**161013B08**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
n-Octacosane	91	68-140	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 79374/022735C			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	**099-15-304-1542**	**N/A**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 07:24**	**161013B08**

Parameter	Result	RL	DF	Qualifiers
TPH as Diesel	ND	50	1.00	

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

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

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Analytical Report

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

Project: ExxonMobil 79374/022735C

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW1	**16-10-0977-2-F**	**10/07/16 06:45**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 06:03**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	71	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW2	**16-10-0977-3-F**	**10/07/16 08:00**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 06:35**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	69	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3	**16-10-0977-4-F**	**10/07/16 09:35**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 11:53**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	14000	250	5.00	HD

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	119	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3A	**16-10-0977-5-F**	**10/07/16 09:20**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 07:07**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	520	50	1.00	HD

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
MW4	**16-10-0977-6-F**	**10/07/16 09:15**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 12:25**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	7000	250	5.00	HD

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

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

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Analytical Report

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

Project: ExxonMobil 79374/022735C

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8015B (M)
Units: ug/L

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW5	**16-10-0977-7-F**	**10/07/16 09:10**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 13:28**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	12000	1000	20.0	HD

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
MW6	**16-10-0977-8-F**	**10/07/16 09:40**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 07:39**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	500	50	1.00	HD

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

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**16-10-0977-9-F**	**10/07/16 09:00**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 12:57**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	5600	250	5.00	HD

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
MW8	**16-10-0977-10-F**	**10/07/16 08:20**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 08:10**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	70	38-134	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**16-10-0977-11-F**	**10/07/16 08:45**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 08:42**	**161019L057**

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

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	72	38-134	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
		Units:	ug/L
Project: ExxonMobil 79374/022735C			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	**099-12-436-11090**	**N/A**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 03:56**	**161019L057**

Parameter	Result	RL	DF	Qualifiers
TPH as Gasoline	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	73	38-134	

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

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Analytical Report

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

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW1	**16-10-0977-2-B**	**10/07/16 06:45**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 23:56**	**161019L035**

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

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	1.0	2.00	
Toluene	ND	1.0	2.00	
Ethylbenzene	ND	1.0	2.00	
o-Xylene	ND	1.0	2.00	
p/m-Xylene	ND	1.0	2.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	2.00	
Tert-Butyl Alcohol (TBA)	ND	10	2.00	
Diisopropyl Ether (DIPE)	ND	1.0	2.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2.00	
1,1,1,2-Tetrachloroethane	ND	1.0	2.00	
1,1,1-Trichloroethane	ND	1.0	2.00	
1,1,2,2-Tetrachloroethane	ND	1.0	2.00	
1,1,2-Trichloroethane	ND	1.0	2.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	2.00	
1,1-Dichloroethane	ND	1.0	2.00	
1,1-Dichloroethene	ND	1.0	2.00	
1,1-Dichloropropene	ND	1.0	2.00	
1,2,3-Trichlorobenzene	ND	1.0	2.00	
1,2,3-Trichloropropane	ND	2.0	2.00	
1,2,4-Trichlorobenzene	ND	1.0	2.00	
1,2,4-Trimethylbenzene	ND	1.0	2.00	
1,3,5-Trimethylbenzene	ND	1.0	2.00	
c-1,2-Dichloroethene	17	1.0	2.00	
1,2-Dibromo-3-Chloropropane	ND	10	2.00	
1,2-Dibromoethane	ND	1.0	2.00	
1,2-Dichlorobenzene	ND	1.0	2.00	
1,2-Dichloroethane	ND	1.0	2.00	
1,2-Dichloropropane	ND	1.0	2.00	
t-1,2-Dichloroethene	ND	1.0	2.00	
c-1,3-Dichloropropene	ND	1.0	2.00	
1,3-Dichlorobenzene	ND	1.0	2.00	
1,3-Dichloropropane	ND	2.0	2.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 2 of 39

Parameter	Result	RL	DF	Qualifiers
t-1,3-Dichloropropene	ND	1.0	2.00	
1,4-Dichlorobenzene	ND	1.0	2.00	
2,2-Dichloropropane	ND	2.0	2.00	
2-Chlorotoluene	ND	1.0	2.00	
4-Chlorotoluene	ND	1.0	2.00	
4-Methyl-2-Pentanone	ND	10	2.00	
Acetone	ND	20	2.00	
Bromobenzene	ND	1.0	2.00	
Bromochloromethane	ND	2.0	2.00	
Bromoform	ND	1.0	2.00	
Bromomethane	ND	2.0	2.00	
Carbon Disulfide	ND	2.0	2.00	
Carbon Tetrachloride	ND	1.0	2.00	
Chlorobenzene	ND	1.0	2.00	
Dibromochloromethane	ND	1.0	2.00	
Chloroethane	ND	1.0	2.00	
Chloroform	ND	1.0	2.00	
Chloromethane	ND	1.0	2.00	
Dibromomethane	ND	1.0	2.00	
Bromodichloromethane	ND	1.0	2.00	
Dichlorodifluoromethane	ND	2.0	2.00	
Hexachloro-1,3-Butadiene	ND	4.0	2.00	
Isopropylbenzene	ND	1.0	2.00	
2-Butanone	ND	10	2.00	
Methylene Chloride	ND	2.0	2.00	
2-Hexanone	ND	20	2.00	
Naphthalene	ND	2.0	2.00	
n-Butylbenzene	ND	1.0	2.00	
n-Propylbenzene	ND	1.0	2.00	
p-Isopropyltoluene	ND	1.0	2.00	
sec-Butylbenzene	ND	1.0	2.00	
Styrene	ND	1.0	2.00	
tert-Butylbenzene	ND	1.0	2.00	
Tetrachloroethene	57	1.0	2.00	
Trichloroethene	8.0	1.0	2.00	
Trichlorofluoromethane	ND	1.0	2.00	
Vinyl Chloride	ND	1.0	2.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 3 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	
Dibromofluoromethane	102	80-127	
1,2-Dichloroethane-d4	105	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW2	**16-10-0977-3-A**	**10/07/16 08:00**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 11:36**	**161018L056**

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

Parameter	Result	RL	DF	Qualifiers
Benzene	ND	1.0	2.00	
Toluene	ND	1.0	2.00	
Ethylbenzene	ND	1.0	2.00	
o-Xylene	ND	1.0	2.00	
p/m-Xylene	ND	1.0	2.00	
Xylenes (total)	ND	1.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	1.0	2.00	
Tert-Butyl Alcohol (TBA)	ND	10	2.00	
Diisopropyl Ether (DIPE)	ND	1.0	2.00	
Ethyl-t-Butyl Ether (ETBE)	ND	1.0	2.00	
Tert-Amyl-Methyl Ether (TAME)	ND	1.0	2.00	
1,1,1,2-Tetrachloroethane	ND	1.0	2.00	
1,1,1-Trichloroethane	ND	1.0	2.00	
1,1,2,2-Tetrachloroethane	ND	1.0	2.00	
1,1,2-Trichloroethane	ND	1.0	2.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	1.0	2.00	
1,1-Dichloroethane	ND	1.0	2.00	
1,1-Dichloroethene	ND	1.0	2.00	
1,1-Dichloropropene	ND	1.0	2.00	
1,2,3-Trichlorobenzene	ND	1.0	2.00	
1,2,3-Trichloropropane	ND	2.0	2.00	
1,2,4-Trichlorobenzene	ND	1.0	2.00	
1,2,4-Trimethylbenzene	ND	1.0	2.00	
1,3,5-Trimethylbenzene	ND	1.0	2.00	
c-1,2-Dichloroethene	7.6	1.0	2.00	
1,2-Dibromo-3-Chloropropane	ND	10	2.00	
1,2-Dibromoethane	ND	1.0	2.00	
1,2-Dichlorobenzene	ND	1.0	2.00	
1,2-Dichloroethane	ND	1.0	2.00	
1,2-Dichloropropane	ND	1.0	2.00	
t-1,2-Dichloroethene	ND	1.0	2.00	
c-1,3-Dichloropropene	ND	1.0	2.00	
1,3-Dichlorobenzene	ND	1.0	2.00	
1,3-Dichloropropane	ND	2.0	2.00	

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

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Analytical Report

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

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Parameter	Result	RL	DF	Qualifiers
t-1,3-Dichloropropene	ND	1.0	2.00	
1,4-Dichlorobenzene	ND	1.0	2.00	
2,2-Dichloropropane	ND	2.0	2.00	
2-Chlorotoluene	ND	1.0	2.00	
4-Chlorotoluene	ND	1.0	2.00	
4-Methyl-2-Pentanone	ND	10	2.00	
Acetone	ND	20	2.00	
Bromobenzene	ND	1.0	2.00	
Bromochloromethane	ND	2.0	2.00	
Bromoform	ND	1.0	2.00	
Bromomethane	ND	2.0	2.00	
Carbon Disulfide	ND	2.0	2.00	
Carbon Tetrachloride	ND	1.0	2.00	
Chlorobenzene	ND	1.0	2.00	
Dibromochloromethane	ND	1.0	2.00	
Chloroethane	ND	1.0	2.00	
Chloroform	ND	1.0	2.00	
Chloromethane	ND	1.0	2.00	
Dibromomethane	ND	1.0	2.00	
Bromodichloromethane	ND	1.0	2.00	
Dichlorodifluoromethane	ND	2.0	2.00	
Hexachloro-1,3-Butadiene	ND	4.0	2.00	
Isopropylbenzene	ND	1.0	2.00	
2-Butanone	ND	10	2.00	
Methylene Chloride	ND	2.0	2.00	
2-Hexanone	ND	20	2.00	
Naphthalene	ND	2.0	2.00	
n-Butylbenzene	ND	1.0	2.00	
n-Propylbenzene	ND	1.0	2.00	
p-Isopropyltoluene	ND	1.0	2.00	
sec-Butylbenzene	ND	1.0	2.00	
Styrene	ND	1.0	2.00	
tert-Butylbenzene	ND	1.0	2.00	
Tetrachloroethene	58	1.0	2.00	
Trichloroethene	6.5	1.0	2.00	
Trichlorofluoromethane	ND	1.0	2.00	
Vinyl Chloride	ND	1.0	2.00	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 79374/022735C			Page 6 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	
Dibromofluoromethane	103	80-127	
1,2-Dichloroethane-d4	106	80-128	
Toluene-d8	98	80-120	

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

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Analytical Report

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

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3	**16-10-0977-4-B**	**10/07/16 09:35**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/20/16 00:28**	**161019L035**

Parameter	Result	RL	DF	Qualifiers
Benzene	270	10	20.0	
Toluene	100	10	20.0	
Ethylbenzene	390	10	20.0	
o-Xylene	19	10	20.0	
p/m-Xylene	70	10	20.0	
Xylenes (total)	89	10	1.00	
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	
1,1,1,2-Tetrachloroethane	ND	10	20.0	
1,1,1-Trichloroethane	ND	10	20.0	
1,1,2,2-Tetrachloroethane	ND	10	20.0	
1,1,2-Trichloroethane	ND	10	20.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	20.0	
1,1-Dichloroethane	ND	10	20.0	
1,1-Dichloroethene	ND	10	20.0	
1,1-Dichloropropene	ND	10	20.0	
1,2,3-Trichlorobenzene	ND	10	20.0	
1,2,3-Trichloropropane	ND	20	20.0	
1,2,4-Trichlorobenzene	ND	10	20.0	
1,2,4-Trimethylbenzene	10	10	20.0	
1,3,5-Trimethylbenzene	25	10	20.0	
c-1,2-Dichloroethene	ND	10	20.0	
1,2-Dibromo-3-Chloropropane	ND	100	20.0	
1,2-Dibromoethane	ND	10	20.0	
1,2-Dichlorobenzene	ND	10	20.0	
1,2-Dichloroethane	ND	10	20.0	
1,2-Dichloropropane	ND	10	20.0	
t-1,2-Dichloroethene	ND	10	20.0	
c-1,3-Dichloropropene	ND	10	20.0	
1,3-Dichlorobenzene	ND	10	20.0	
1,3-Dichloropropane	ND	20	20.0	
t-1,3-Dichloropropene	ND	10	20.0	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 8 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	10	20.0	
2,2-Dichloropropane	ND	20	20.0	
2-Chlorotoluene	ND	10	20.0	
4-Chlorotoluene	ND	10	20.0	
4-Methyl-2-Pentanone	ND	100	20.0	
Acetone	ND	200	20.0	
Bromobenzene	ND	10	20.0	
Bromochloromethane	ND	20	20.0	
Bromoform	ND	10	20.0	
Bromomethane	ND	20	20.0	
Carbon Disulfide	ND	20	20.0	
Carbon Tetrachloride	ND	10	20.0	
Chlorobenzene	ND	10	20.0	
Dibromochloromethane	ND	10	20.0	
Chloroethane	ND	10	20.0	
Chloroform	ND	10	20.0	
Chloromethane	ND	10	20.0	
Dibromomethane	ND	10	20.0	
Bromodichloromethane	ND	10	20.0	
Dichlorodifluoromethane	ND	20	20.0	
Hexachloro-1,3-Butadiene	ND	40	20.0	
Isopropylbenzene	88	10	20.0	
2-Butanone	ND	100	20.0	
Methylene Chloride	ND	20	20.0	
2-Hexanone	ND	200	20.0	
Naphthalene	140	20	20.0	
n-Butylbenzene	22	10	20.0	
n-Propylbenzene	150	10	20.0	
p-Isopropyltoluene	14	10	20.0	
sec-Butylbenzene	14	10	20.0	
Styrene	ND	10	20.0	
tert-Butylbenzene	ND	10	20.0	
Tetrachloroethene	ND	10	20.0	
Trichloroethene	ND	10	20.0	
Trichlorofluoromethane	ND	10	20.0	
Vinyl Chloride	ND	10	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 9 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	103	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW3A	**16-10-0977-5-A**	**10/07/16 09:20**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 05:24**	**161018L056**

Parameter	Result	RL	DF	Qualifiers
Benzene	26	0.50	1.00	
Toluene	2.9	0.50	1.00	
Ethylbenzene	1.1	0.50	1.00	
o-Xylene	ND	0.50	1.00	
p/m-Xylene	1.1	0.50	1.00	
Xylenes (total)	1.1	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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	1.3	0.50	1.00	
1,3,5-Trimethylbenzene	0.80	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 11 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	4.7	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	1.4	1.0	1.00	
n-Butylbenzene	1.7	0.50	1.00	
n-Propylbenzene	5.1	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	2.3	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	1.2	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	68-120	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 79374/022735C			Page 12 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	80-127	
1,2-Dichloroethane-d4	106	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW4	**16-10-0977-6-A**	**10/07/16 09:15**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 21:52**	**161019L035**

Parameter	Result	RL	DF	Qualifiers
Benzene	300	10	20.0	
Toluene	27	10	20.0	
Ethylbenzene	140	10	20.0	
o-Xylene	33	10	20.0	
p/m-Xylene	82	10	20.0	
Xylenes (total)	120	10	1.00	
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	
1,1,1,2-Tetrachloroethane	ND	10	20.0	
1,1,1-Trichloroethane	ND	10	20.0	
1,1,2,2-Tetrachloroethane	ND	10	20.0	
1,1,2-Trichloroethane	ND	10	20.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	20.0	
1,1-Dichloroethane	ND	10	20.0	
1,1-Dichloroethene	ND	10	20.0	
1,1-Dichloropropene	ND	10	20.0	
1,2,3-Trichlorobenzene	ND	10	20.0	
1,2,3-Trichloropropane	ND	20	20.0	
1,2,4-Trichlorobenzene	ND	10	20.0	
1,2,4-Trimethylbenzene	130	10	20.0	
1,3,5-Trimethylbenzene	54	10	20.0	
c-1,2-Dichloroethene	ND	10	20.0	
1,2-Dibromo-3-Chloropropane	ND	100	20.0	
1,2-Dibromoethane	ND	10	20.0	
1,2-Dichlorobenzene	ND	10	20.0	
1,2-Dichloroethane	ND	10	20.0	
1,2-Dichloropropane	ND	10	20.0	
t-1,2-Dichloroethene	ND	10	20.0	
c-1,3-Dichloropropene	ND	10	20.0	
1,3-Dichlorobenzene	ND	10	20.0	
1,3-Dichloropropane	ND	20	20.0	
t-1,3-Dichloropropene	ND	10	20.0	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 14 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	10	20.0	
2,2-Dichloropropane	ND	20	20.0	
2-Chlorotoluene	ND	10	20.0	
4-Chlorotoluene	ND	10	20.0	
4-Methyl-2-Pentanone	ND	100	20.0	
Acetone	ND	200	20.0	
Bromobenzene	ND	10	20.0	
Bromochloromethane	ND	20	20.0	
Bromoform	ND	10	20.0	
Bromomethane	ND	20	20.0	
Carbon Disulfide	ND	20	20.0	
Carbon Tetrachloride	ND	10	20.0	
Chlorobenzene	ND	10	20.0	
Dibromochloromethane	ND	10	20.0	
Chloroethane	ND	10	20.0	
Chloroform	ND	10	20.0	
Chloromethane	ND	10	20.0	
Dibromomethane	ND	10	20.0	
Bromodichloromethane	ND	10	20.0	
Dichlorodifluoromethane	ND	20	20.0	
Hexachloro-1,3-Butadiene	ND	40	20.0	
Isopropylbenzene	44	10	20.0	
2-Butanone	ND	100	20.0	
Methylene Chloride	ND	20	20.0	
2-Hexanone	ND	200	20.0	
Naphthalene	86	20	20.0	
n-Butylbenzene	42	10	20.0	
n-Propylbenzene	100	10	20.0	
p-Isopropyltoluene	ND	10	20.0	
sec-Butylbenzene	17	10	20.0	
Styrene	ND	10	20.0	
tert-Butylbenzene	ND	10	20.0	
Tetrachloroethene	ND	10	20.0	
Trichloroethene	ND	10	20.0	
Trichlorofluoromethane	ND	10	20.0	
Vinyl Chloride	ND	10	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 79374/022735C			Page 15 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	104	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW5	**16-10-0977-7-B**	**10/07/16 09:10**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 21:07**	**161020L074**

Parameter	Result	RL	DF	Qualifiers
Benzene	330	10	20.0	
Toluene	ND	10	20.0	
Ethylbenzene	480	10	20.0	
o-Xylene	ND	10	20.0	
p/m-Xylene	58	10	20.0	
Xylenes (total)	58	10	1.00	
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	
1,1,1,2-Tetrachloroethane	ND	10	20.0	
1,1,1-Trichloroethane	ND	10	20.0	
1,1,2,2-Tetrachloroethane	ND	10	20.0	
1,1,2-Trichloroethane	ND	10	20.0	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	10	20.0	
1,1-Dichloroethane	ND	10	20.0	
1,1-Dichloroethene	ND	10	20.0	
1,1-Dichloropropene	ND	10	20.0	
1,2,3-Trichlorobenzene	ND	10	20.0	
1,2,3-Trichloropropane	ND	20	20.0	
1,2,4-Trichlorobenzene	ND	10	20.0	
1,2,4-Trimethylbenzene	540	10	20.0	
1,3,5-Trimethylbenzene	130	10	20.0	
c-1,2-Dichloroethene	ND	10	20.0	
1,2-Dibromo-3-Chloropropane	ND	100	20.0	
1,2-Dibromoethane	ND	10	20.0	
1,2-Dichlorobenzene	ND	10	20.0	
1,2-Dichloroethane	ND	10	20.0	
1,2-Dichloropropane	ND	10	20.0	
t-1,2-Dichloroethene	ND	10	20.0	
c-1,3-Dichloropropene	ND	10	20.0	
1,3-Dichlorobenzene	ND	10	20.0	
1,3-Dichloropropane	ND	20	20.0	
t-1,3-Dichloropropene	ND	10	20.0	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 17 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	10	20.0	
2,2-Dichloropropane	ND	20	20.0	
2-Chlorotoluene	ND	10	20.0	
4-Chlorotoluene	ND	10	20.0	
4-Methyl-2-Pentanone	ND	100	20.0	
Acetone	ND	200	20.0	
Bromobenzene	ND	10	20.0	
Bromochloromethane	ND	20	20.0	
Bromoform	ND	10	20.0	
Bromomethane	ND	20	20.0	
Carbon Disulfide	ND	20	20.0	
Carbon Tetrachloride	ND	10	20.0	
Chlorobenzene	ND	10	20.0	
Dibromochloromethane	ND	10	20.0	
Chloroethane	ND	10	20.0	
Chloroform	ND	10	20.0	
Chloromethane	ND	10	20.0	
Dibromomethane	ND	10	20.0	
Bromodichloromethane	ND	10	20.0	
Dichlorodifluoromethane	ND	20	20.0	
Hexachloro-1,3-Butadiene	ND	40	20.0	
Isopropylbenzene	130	10	20.0	
2-Butanone	ND	100	20.0	
Methylene Chloride	ND	20	20.0	
2-Hexanone	ND	200	20.0	
Naphthalene	240	20	20.0	
n-Butylbenzene	160	10	20.0	
n-Propylbenzene	450	10	20.0	
p-Isopropyltoluene	21	10	20.0	
sec-Butylbenzene	58	10	20.0	
Styrene	ND	10	20.0	
tert-Butylbenzene	ND	10	20.0	
Tetrachloroethene	ND	10	20.0	
Trichloroethene	ND	10	20.0	
Trichlorofluoromethane	ND	10	20.0	
Vinyl Chloride	ND	10	20.0	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	102	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 18 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	99	80-127	
1,2-Dichloroethane-d4	102	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW6	**16-10-0977-8-B**	**10/07/16 09:40**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 20:36**	**161020L074**

Parameter	Result	RL	DF	Qualifiers
Benzene	0.67	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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 20 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	0.68	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	ND	1.0	1.00	
n-Butylbenzene	0.61	0.50	1.00	
n-Propylbenzene	1.5	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	0.60	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	ND	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 21 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	102	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW7	**16-10-0977-9-A**	**10/07/16 09:00**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 23:25**	**161019L035**

Parameter	Result	RL	DF	Qualifiers
Benzene	140	4.0	8.00	
Toluene	5.7	4.0	8.00	
Ethylbenzene	5.7	4.0	8.00	
o-Xylene	ND	4.0	8.00	
p/m-Xylene	9.0	4.0	8.00	
Xylenes (total)	9.0	4.0	1.00	
Methyl-t-Butyl Ether (MTBE)	ND	4.0	8.00	
Tert-Butyl Alcohol (TBA)	ND	40	8.00	
Diisopropyl Ether (DIPE)	18	4.0	8.00	
Ethyl-t-Butyl Ether (ETBE)	ND	4.0	8.00	
Tert-Amyl-Methyl Ether (TAME)	ND	4.0	8.00	
1,1,1,2-Tetrachloroethane	ND	4.0	8.00	
1,1,1-Trichloroethane	ND	4.0	8.00	
1,1,2,2-Tetrachloroethane	ND	4.0	8.00	
1,1,2-Trichloroethane	ND	4.0	8.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	4.0	8.00	
1,1-Dichloroethane	ND	4.0	8.00	
1,1-Dichloroethene	ND	4.0	8.00	
1,1-Dichloropropene	ND	4.0	8.00	
1,2,3-Trichlorobenzene	ND	4.0	8.00	
1,2,3-Trichloropropane	ND	8.0	8.00	
1,2,4-Trichlorobenzene	ND	4.0	8.00	
1,2,4-Trimethylbenzene	ND	4.0	8.00	
1,3,5-Trimethylbenzene	ND	4.0	8.00	
c-1,2-Dichloroethene	ND	4.0	8.00	
1,2-Dibromo-3-Chloropropane	ND	40	8.00	
1,2-Dibromoethane	ND	4.0	8.00	
1,2-Dichlorobenzene	ND	4.0	8.00	
1,2-Dichloroethane	ND	4.0	8.00	
1,2-Dichloropropane	ND	4.0	8.00	
t-1,2-Dichloroethene	ND	4.0	8.00	
c-1,3-Dichloropropene	ND	4.0	8.00	
1,3-Dichlorobenzene	ND	4.0	8.00	
1,3-Dichloropropane	ND	8.0	8.00	
t-1,3-Dichloropropene	ND	4.0	8.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 23 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	4.0	8.00	
2,2-Dichloropropane	ND	8.0	8.00	
2-Chlorotoluene	ND	4.0	8.00	
4-Chlorotoluene	ND	4.0	8.00	
4-Methyl-2-Pentanone	ND	40	8.00	
Acetone	ND	80	8.00	
Bromobenzene	ND	4.0	8.00	
Bromochloromethane	ND	8.0	8.00	
Bromoform	ND	4.0	8.00	
Bromomethane	ND	8.0	8.00	
Carbon Disulfide	ND	8.0	8.00	
Carbon Tetrachloride	ND	4.0	8.00	
Chlorobenzene	ND	4.0	8.00	
Dibromochloromethane	ND	4.0	8.00	
Chloroethane	ND	4.0	8.00	
Chloroform	ND	4.0	8.00	
Chloromethane	ND	4.0	8.00	
Dibromomethane	ND	4.0	8.00	
Bromodichloromethane	ND	4.0	8.00	
Dichlorodifluoromethane	ND	8.0	8.00	
Hexachloro-1,3-Butadiene	ND	16	8.00	
Isopropylbenzene	45	4.0	8.00	
2-Butanone	ND	40	8.00	
Methylene Chloride	ND	8.0	8.00	
2-Hexanone	ND	80	8.00	
Naphthalene	52	8.0	8.00	
n-Butylbenzene	39	4.0	8.00	
n-Propylbenzene	140	4.0	8.00	
p-Isopropyltoluene	ND	4.0	8.00	
sec-Butylbenzene	18	4.0	8.00	
Styrene	ND	4.0	8.00	
tert-Butylbenzene	ND	4.0	8.00	
Tetrachloroethene	ND	4.0	8.00	
Trichloroethene	ND	4.0	8.00	
Trichlorofluoromethane	ND	4.0	8.00	
Vinyl Chloride	ND	4.0	8.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	101	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 24 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	102	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW8	**16-10-0977-10-A**	**10/07/16 08:20**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 20:19**	**161019L035**

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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 26 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	16	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	ND	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	ND	1.0	1.00	
n-Butylbenzene	ND	0.50	1.00	
n-Propylbenzene	ND	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	ND	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	ND	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	98	68-120	

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

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Analytical Report

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
		Units:	ug/L
Project: ExxonMobil 79374/022735C			Page 27 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	106	80-128	
Toluene-d8	98	80-120	

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

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Analytical Report

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

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
MW9	**16-10-0977-11-A**	**10/07/16 08:45**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 18:15**	**161019L035**

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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 29 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	1.6	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	ND	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	ND	1.0	1.00	
n-Butylbenzene	0.66	0.50	1.00	
n-Propylbenzene	0.53	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	ND	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	ND	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 30 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	80-127	
1,2-Dichloroethane-d4	106	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
601 North McDowell Blvd.
Petaluma, CA 94954-2312

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-1501**	**N/A**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 04:53**	**161018L056**

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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 32 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	ND	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	ND	1.0	1.00	
n-Butylbenzene	ND	0.50	1.00	
n-Propylbenzene	ND	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	ND	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	ND	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	100	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 33 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	104	80-127	
1,2-Dichloroethane-d4	107	80-128	
Toluene-d8	98	80-120	

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

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Analytical Report

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

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-1502**	**N/A**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 17:30**	**161019L035**

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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 35 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	ND	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	ND	1.0	1.00	
n-Butylbenzene	ND	0.50	1.00	
n-Propylbenzene	ND	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	ND	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	ND	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 36 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	102	80-127	
1,2-Dichloroethane-d4	107	80-128	
Toluene-d8	98	80-120	

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

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Analytical Report

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

Date Received: 10/13/16
Work Order: 16-10-0977
Preparation: EPA 5030C
Method: EPA 8260B
Units: ug/L

Project: ExxonMobil 79374/022735C

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-880-1504**	**N/A**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 17:36**	**161020L074**

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	
1,1,1,2-Tetrachloroethane	ND	0.50	1.00	
1,1,1-Trichloroethane	ND	0.50	1.00	
1,1,2,2-Tetrachloroethane	ND	0.50	1.00	
1,1,2-Trichloroethane	ND	0.50	1.00	
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	0.50	1.00	
1,1-Dichloroethane	ND	0.50	1.00	
1,1-Dichloroethene	ND	0.50	1.00	
1,1-Dichloropropene	ND	0.50	1.00	
1,2,3-Trichlorobenzene	ND	0.50	1.00	
1,2,3-Trichloropropane	ND	1.0	1.00	
1,2,4-Trichlorobenzene	ND	0.50	1.00	
1,2,4-Trimethylbenzene	ND	0.50	1.00	
1,3,5-Trimethylbenzene	ND	0.50	1.00	
c-1,2-Dichloroethene	ND	0.50	1.00	
1,2-Dibromo-3-Chloropropane	ND	5.0	1.00	
1,2-Dibromoethane	ND	0.50	1.00	
1,2-Dichlorobenzene	ND	0.50	1.00	
1,2-Dichloroethane	ND	0.50	1.00	
1,2-Dichloropropane	ND	0.50	1.00	
t-1,2-Dichloroethene	ND	0.50	1.00	
c-1,3-Dichloropropene	ND	0.50	1.00	
1,3-Dichlorobenzene	ND	0.50	1.00	
1,3-Dichloropropane	ND	1.0	1.00	
t-1,3-Dichloropropene	ND	0.50	1.00	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 38 of 39

Parameter	Result	RL	DF	Qualifiers
1,4-Dichlorobenzene	ND	0.50	1.00	
2,2-Dichloropropane	ND	1.0	1.00	
2-Chlorotoluene	ND	0.50	1.00	
4-Chlorotoluene	ND	0.50	1.00	
4-Methyl-2-Pentanone	ND	5.0	1.00	
Acetone	ND	10	1.00	
Bromobenzene	ND	0.50	1.00	
Bromochloromethane	ND	1.0	1.00	
Bromoform	ND	0.50	1.00	
Bromomethane	ND	1.0	1.00	
Carbon Disulfide	ND	1.0	1.00	
Carbon Tetrachloride	ND	0.50	1.00	
Chlorobenzene	ND	0.50	1.00	
Dibromochloromethane	ND	0.50	1.00	
Chloroethane	ND	0.50	1.00	
Chloroform	ND	0.50	1.00	
Chloromethane	ND	0.50	1.00	
Dibromomethane	ND	0.50	1.00	
Bromodichloromethane	ND	0.50	1.00	
Dichlorodifluoromethane	ND	1.0	1.00	
Hexachloro-1,3-Butadiene	ND	2.0	1.00	
Isopropylbenzene	ND	0.50	1.00	
2-Butanone	ND	5.0	1.00	
Methylene Chloride	ND	1.0	1.00	
2-Hexanone	ND	10	1.00	
Naphthalene	ND	1.0	1.00	
n-Butylbenzene	ND	0.50	1.00	
n-Propylbenzene	ND	0.50	1.00	
p-Isopropyltoluene	ND	0.50	1.00	
sec-Butylbenzene	ND	0.50	1.00	
Styrene	ND	0.50	1.00	
tert-Butylbenzene	ND	0.50	1.00	
Tetrachloroethene	ND	0.50	1.00	
Trichloroethene	ND	0.50	1.00	
Trichlorofluoromethane	ND	0.50	1.00	
Vinyl Chloride	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
1,4-Bromofluorobenzene	99	68-120	

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

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Analytical Report

Cardno	Date Received:	10/13/16
601 North McDowell Blvd.	Work Order:	16-10-0977
Petaluma, CA 94954-2312	Preparation:	EPA 5030C
	Method:	EPA 8260B
	Units:	ug/L
Project: ExxonMobil 79374/022735C		Page 39 of 39

Surrogate	Rec. (%)	Control Limits	Qualifiers
Dibromofluoromethane	100	80-127	
1,2-Dichloroethane-d4	102	80-128	
Toluene-d8	96	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		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 79374/022735C			Page 1 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-10-1166-1	**Sample**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 04:28**	**161019S021**
16-10-1166-1	**Matrix Spike**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 05:00**	**161019S021**
16-10-1166-1	**Matrix Spike Duplicate**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 05:32**	**161019S021**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	2000	1864	93	1911	96	68-122	3	0-18	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 79374/022735C			Page 2 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW3A	**Sample**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 05:24**	**161018S031**
MW3A	**Matrix Spike**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 05:55**	**161018S031**
MW3A	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 06:26**	**161018S031**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	26.03	10.00	34.75	87	35.40	94	75-125	2	0-20	
Toluene	2.875	10.00	12.99	101	13.28	104	75-125	2	0-20	
Ethylbenzene	1.074	10.00	10.94	99	11.15	101	75-125	2	0-20	
o-Xylene	ND	10.00	10.30	103	10.65	107	75-127	3	0-20	
p/m-Xylene	1.121	20.00	21.10	100	21.87	104	75-125	4	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	10.24	102	10.39	104	71-131	1	0-20	
Tert-Butyl Alcohol (TBA)	ND	50.00	45.83	92	47.37	95	20-180	3	0-40	
Diisopropyl Ether (DIPE)	ND	10.00	10.38	104	10.51	105	64-136	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	10.20	102	10.37	104	73-133	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	10.10	101	10.13	101	75-125	0	0-20	
1,1-Dichloroethene	ND	10.00	9.536	95	9.869	99	66-126	3	0-20	
1,2-Dibromoethane	ND	10.00	10.37	104	10.38	104	75-126	0	0-20	
1,2-Dichlorobenzene	ND	10.00	10.21	102	10.35	104	75-125	1	0-20	
1,2-Dichloroethane	ND	10.00	11.09	111	11.23	112	75-127	1	0-20	
Carbon Tetrachloride	ND	10.00	9.541	95	9.950	100	69-135	4	0-20	
Chlorobenzene	ND	10.00	10.11	101	10.31	103	75-125	2	0-20	
Trichloroethene	ND	10.00	9.749	97	9.803	98	75-125	1	0-20	
Vinyl Chloride	ND	10.00	11.05	111	11.06	111	52-142	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 79374/022735C			Page 3 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
MW9	**Sample**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 18:15**	**161019S015**
MW9	**Matrix Spike**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 18:46**	**161019S015**
MW9	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 19:17**	**161019S015**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	9.505	95	9.498	95	75-125	0	0-20	
Toluene	ND	10.00	9.877	99	9.876	99	75-125	0	0-20	
Ethylbenzene	ND	10.00	9.833	98	9.799	98	75-125	0	0-20	
o-Xylene	ND	10.00	10.04	100	10.04	100	75-127	0	0-20	
p/m-Xylene	ND	20.00	19.96	100	19.87	99	75-125	0	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.712	97	9.986	100	71-131	3	0-20	
Tert-Butyl Alcohol (TBA)	ND	50.00	49.86	100	49.92	100	20-180	0	0-40	
Diisopropyl Ether (DIPE)	ND	10.00	9.807	98	9.932	99	64-136	1	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.517	95	9.693	97	73-133	2	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.537	95	9.686	97	75-125	2	0-20	
1,1-Dichloroethene	ND	10.00	9.170	92	8.965	90	66-126	2	0-20	
1,2-Dibromoethane	ND	10.00	9.088	91	9.461	95	75-126	4	0-20	
1,2-Dichlorobenzene	ND	10.00	10.07	101	10.22	102	75-125	2	0-20	
1,2-Dichloroethane	ND	10.00	10.17	102	10.14	101	75-127	0	0-20	
Carbon Tetrachloride	ND	10.00	9.253	93	9.064	91	69-135	2	0-20	
Chlorobenzene	ND	10.00	9.805	98	9.939	99	75-125	1	0-20	
Trichloroethene	ND	10.00	9.314	93	9.320	93	75-125	0	0-20	
Vinyl Chloride	ND	10.00	10.36	104	10.31	103	52-142	0	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 79374/022735C			Page 4 of 4

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
16-10-1289-8	**Sample**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 18:32**	**161020S016**
16-10-1289-8	**Matrix Spike**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 19:03**	**161020S016**
16-10-1289-8	**Matrix Spike Duplicate**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 19:34**	**161020S016**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Benzene	ND	10.00	9.562	96	9.502	95	75-125	1	0-20	
Toluene	ND	10.00	9.988	100	9.888	99	75-125	1	0-20	
Ethylbenzene	ND	10.00	9.880	99	9.790	98	75-125	1	0-20	
o-Xylene	ND	10.00	10.06	101	10.01	100	75-127	1	0-20	
p/m-Xylene	ND	20.00	20.14	101	19.95	100	75-125	1	0-20	
Methyl-t-Butyl Ether (MTBE)	ND	10.00	9.598	96	9.788	98	71-131	2	0-20	
Tert-Butyl Alcohol (TBA)	ND	50.00	55.07	110	56.14	112	20-180	2	0-40	
Diisopropyl Ether (DIPE)	ND	10.00	9.730	97	9.754	98	64-136	0	0-20	
Ethyl-t-Butyl Ether (ETBE)	ND	10.00	9.361	94	9.609	96	73-133	3	0-20	
Tert-Amyl-Methyl Ether (TAME)	ND	10.00	9.432	94	9.662	97	75-125	2	0-20	
1,1-Dichloroethene	ND	10.00	8.922	89	9.008	90	66-126	1	0-20	
1,2-Dibromoethane	ND	10.00	8.810	88	8.990	90	75-126	2	0-20	
1,2-Dichlorobenzene	ND	10.00	9.965	100	9.941	99	75-125	0	0-20	
1,2-Dichloroethane	ND	10.00	10.09	101	10.30	103	75-127	2	0-20	
Carbon Tetrachloride	ND	10.00	9.336	93	9.328	93	69-135	0	0-20	
Chlorobenzene	ND	10.00	9.963	100	9.935	99	75-125	0	0-20	
Trichloroethene	ND	10.00	9.541	95	9.342	93	75-125	2	0-20	
Vinyl Chloride	ND	10.00	10.30	103	10.70	107	52-142	4	0-20	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: ExxonMobil 79374/022735C			Page 1 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-278-1305	**LCS**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 08:07**	**161013B09**
099-15-278-1305	**LCSD**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 08:49**	**161013B09**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Motor Oil	2000	2216	111	2331	117	75-117	5	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS/LCSD

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 3510C
		Method:	EPA 8015B (M)
Project: ExxonMobil 79374/022735C			Page 2 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-15-304-1542	**LCS**	**Aqueous**	**GC 46**	**10/13/16**	**10/19/16 07:45**	**161013B08**
099-15-304-1542	**LCSD**	**Aqueous**	**GC 46**	**10/13/16**	**10/20/16 04:58**	**161013B08**

Parameter	Spike Added	LCS Conc.	LCS %Rec.	LCSD Conc.	LCSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
TPH as Diesel	2000	2010	100	1955	98	75-117	3	0-13	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8015B (M)
Project: ExxonMobil 79374/022735C			Page 3 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-436-11090	**LCS**	**Aqueous**	**GC 57**	**10/19/16**	**10/20/16 03:25**	**161019L057**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
TPH as Gasoline	2000	1854	93	78-120	

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RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 79374/022735C			Page 4 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-880-1501	**LCS**	**Aqueous**	**GC/MS FFF**	**10/18/16**	**10/19/16 14:13**	**161018L056**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	8.996	90	80-120	73-127	
Toluene	10.00	9.240	92	80-120	73-127	
Ethylbenzene	10.00	9.062	91	80-120	73-127	
o-Xylene	10.00	9.535	95	80-120	73-127	
p/m-Xylene	20.00	18.73	94	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.00	9.368	94	75-123	67-131	
Tert-Butyl Alcohol (TBA)	50.00	54.26	109	80-120	73-127	
Diisopropyl Ether (DIPE)	10.00	9.626	96	73-121	65-129	
Ethyl-t-Butyl Ether (ETBE)	10.00	9.207	92	76-124	68-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	9.128	91	80-120	73-127	
1,1-Dichloroethene	10.00	8.249	82	77-120	70-127	
1,2-Dibromoethane	10.00	8.746	87	80-120	73-127	
1,2-Dichlorobenzene	10.00	9.419	94	80-120	73-127	
1,2-Dichloroethane	10.00	9.567	96	80-122	73-129	
Carbon Tetrachloride	10.00	8.294	83	80-129	72-137	
Chlorobenzene	10.00	9.336	93	80-120	73-127	
Trichloroethene	10.00	8.676	87	80-120	73-127	
Vinyl Chloride	10.00	9.128	91	63-135	51-147	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 79374/022735C			Page 5 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-880-1502	**LCS**	**Aqueous**	**GC/MS FFF**	**10/19/16**	**10/19/16 16:09**	**161019L035**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	9.028	90	80-120	73-127	
Toluene	10.00	9.182	92	80-120	73-127	
Ethylbenzene	10.00	9.172	92	80-120	73-127	
o-Xylene	10.00	9.441	94	80-120	73-127	
p/m-Xylene	20.00	18.76	94	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.00	9.068	91	75-123	67-131	
Tert-Butyl Alcohol (TBA)	50.00	50.75	102	80-120	73-127	
Diisopropyl Ether (DIPE)	10.00	9.479	95	73-121	65-129	
Ethyl-t-Butyl Ether (ETBE)	10.00	9.068	91	76-124	68-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	8.808	88	80-120	73-127	
1,1-Dichloroethene	10.00	8.211	82	77-120	70-127	
1,2-Dibromoethane	10.00	8.780	88	80-120	73-127	
1,2-Dichlorobenzene	10.00	9.369	94	80-120	73-127	
1,2-Dichloroethane	10.00	9.148	91	80-122	73-129	
Carbon Tetrachloride	10.00	8.421	84	80-129	72-137	
Chlorobenzene	10.00	9.322	93	80-120	73-127	
Trichloroethene	10.00	8.765	88	80-120	73-127	
Vinyl Chloride	10.00	9.279	93	63-135	51-147	

Total number of LCS compounds: 18
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

Cardno		Date Received:	10/13/16
601 North McDowell Blvd.		Work Order:	16-10-0977
Petaluma, CA 94954-2312		Preparation:	EPA 5030C
		Method:	EPA 8260B
Project: ExxonMobil 79374/022735C			Page 6 of 6

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-880-1504	**LCS**	**Aqueous**	**GC/MS FFF**	**10/20/16**	**10/20/16 16:18**	**161020L074**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Benzene	10.00	9.080	91	80-120	73-127	
Toluene	10.00	9.343	93	80-120	73-127	
Ethylbenzene	10.00	9.405	94	80-120	73-127	
o-Xylene	10.00	9.520	95	80-120	73-127	
p/m-Xylene	20.00	19.29	96	80-120	73-127	
Methyl-t-Butyl Ether (MTBE)	10.00	8.266	83	75-123	67-131	
Tert-Butyl Alcohol (TBA)	50.00	47.15	94	80-120	73-127	
Diisopropyl Ether (DIPE)	10.00	9.066	91	73-121	65-129	
Ethyl-t-Butyl Ether (ETBE)	10.00	8.580	86	76-124	68-132	
Tert-Amyl-Methyl Ether (TAME)	10.00	8.366	84	80-120	73-127	
1,1-Dichloroethene	10.00	8.528	85	77-120	70-127	
1,2-Dibromoethane	10.00	8.471	85	80-120	73-127	
1,2-Dichlorobenzene	10.00	9.537	95	80-120	73-127	
1,2-Dichloroethane	10.00	8.952	90	80-122	73-129	
Carbon Tetrachloride	10.00	9.159	92	80-129	72-137	
Chlorobenzene	10.00	9.505	95	80-120	73-127	
Trichloroethene	10.00	9.061	91	80-120	73-127	
Vinyl Chloride	10.00	9.909	99	63-135	51-147	

Total number of LCS compounds: 18
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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Sample Analysis Summary Report

Work Order: 16-10-0977 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 8015B (M)	EPA 3510C	421	GC 46	1
EPA 8015B (M)	EPA 5030C	933	GC 57	2
EPA 8260B	EPA 5030C	849	GC/MS FFF	2

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Glossary of Terms and Qualifiers

Work Order: 16-10-0977 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.
CI	See case narrative.
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: Scott Perkins <Scott.Perkins@cardno.com>
Sent: Friday, November 18, 2016 12:11 PM
To: Cecile L de Guia
Cc: David Daniels
Subject: Additional reporting WO 16-10-0977
Attachments: 16-10-0977.pdf

Cecile,

Can you report HVOCs by 8260B for this report? It was not listed on the COC and should have been.

Thank you,

Scott

Scott Perkins
SENIOR PROJECT MANAGER
ENGINEERING & ENVIRONMENTAL SERVICES DIVISION
CARDNO

Cardno
Shaping the Future

Direct +1 707 766 2000 Mobile +1 925 580 2455 Fax +1 707 789 0414
Address 601 North McDowell Boulevard, Petaluma, CA 94954
Email scott.perkins@cardno.com Web www.cardno.com

CONNECT WITH CARDNO

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

ExxonMobil

16-10-0977

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: Scott Perkins
ExxonMobil Project Mgr: Jennifer Sedlachek | Project Name: 02 2735 C
Consultant Project Mgr: Scott Perkins | ExxonMobil Site #: 79374 ajor Project (AFE I
Consultant Telephone Number: 707-766-2000 | Fax No.: 707-789-0414 | Site Address: 990 San Pablo Avenue
Sampler Name (Print): Sean R. Johnson | Site City, State, Zip: Albany, California
Sampler Signature: | 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: Unpreserved	None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Air	Other (specify): Distilled Wate	Analyze For: TPHg 8015M	TPHd 8015M	TPHmo 8015M	BTEX 8260B	7 Oxygenates 8260B				RUSH TAT (Pre-Schedule	5-day TAT	Standard 10-day TAT	Due Date of Report
1 QCBB	QCBB	10/7/16	0630	2						2						2								X		H	O	L	D						X	
2 MW1	MW1	10/7/16	0645	10						8						2		X							X	X	X	X	X						X	
3 MW2	MW2	10/7/16	0800	10						8						2		X							X	X	X	X	X						X	
4 MW3	MW3	10/7/16	0935	10						8						2		X							X	X	X	X	X						X	
5 MW3A	MW3A	10/7/16	0920	10						8						2		X							X	X	X	X	X						X	
6 MW4	MW4	10/7/16	0915	10						8						2		X							X	X	X	X	X						X	
7 MW5	MW5	10/7/16	0910	10						8						2		X							X	X	X	X	X						X	
8 MW6	MW6	10/7/16	0940	10						8						2		X							X	X	X	X	X						X	
9 MW7	MW7	10/7/16	0900	10						8						2		X							X	X	X	X	X						X	
10 MW8	MW8	10/7/16	0820	10						8						2		X							X	X	X	X	X						X	
11 MW9	MW9	10/7/16	0845	10						8						2		X							X	X	X	X	X						X	
12																																			

(2) 10/13/16

Comments/Special Instructions:
PLEASE E-MAIL ALL PDF FILES TO
norcallabs@eri-us.com
GLOBAL ID # T0619716673

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

Relinquished by:		Date	Time	Received by:	Date	Time
		10/12/16	1145	Tom O'Malley GSO	10/12/16	1145
Tom O'Malley GSO	GSO	10/12/16	1730		10/13/16	1045

Received by (Lab personnel):

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

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10/12/2016

0977

GSO GOLDEN STATE OVERNIGHT

800-322-5555 www.gso.com

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

Tracking #: 533616913

NPS

10/12/2016

GSO GOLDEN STATE OVERNIGHT

800-322-5555 www.gso.com

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

Tracking #: 533616914

NPS

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

ORC A

GARDEN GROVE

COD: $0.00
Weight: 0 lb(s)
Reference:
ERI
Delivery Instructions:

D92845A

Signature Type: REQUIRED

57657542

Print Date: 10/12/2016 3:32 PM

Package 2 of 2

LABEL INSTRUCTIONS:

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WORK ORDER NUMBER: 16-10- 0977

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: Cardno ERM

DATE: 10 / 13 / 2016

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

Thermometer ID: SC3B (CF: 0.0°C); Temperature (w/o CF): 3.6 °C (w/ CF): 3.6 °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

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: SB6

CUSTODY SEAL:

Cooler ☑ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A Checked by: SB6

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1017

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☑	☐	☐
☑ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: 8 (Trip Blank Lot Number: N/A)

Aqueous: ☐ VOA ☑ VOAh ☐ VOAna_2 ☐ 100PJ ☐ 100PJna_2 ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☐ 125PB

☐ 125PBznna ☐ 250AGB ☐ 250CGB ☐ 250CGBs ☐ 250PB ☐ 250PBn ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJs

☐ 500PB ☐ 1AGB ☐ 1AGBna_2 ☐ 1AGBs ☐ 1PB ☐ 1PBna ☐ _____ ☐ _____ ☐ _____ ☐ _____

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

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na_2** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 1017

s = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH Reviewed by: SB6

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WORK ORDER NUMBER: 16-10-0977

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: Cardno ERI

DATE: 10 / 13 / 2016

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

Thermometer ID: SC3B (CF: 0.0°C); Temperature (w/o CF): 3-4 °C (w/ CF): 3-4 °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

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: 836

CUSTODY SEAL:

Cooler ☑ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A Checked by: 836

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1017

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☑	☐	☐
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☑ (2) 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

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

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1017

Reviewed by: 836

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APPENDIX D

WASTE DISPOSAL DOCUMENTATION

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No. ERI2735261610 07

2. Page 1 of 1

3. Generator's Name and Mailing address
ExxonMobil Environmental Services/ c/o Cardno
601 N. McDowell Blvd, Petaluma, CA 94954
4. Generator's Phone: (707) 766 2000

990 SAN PABLO AVE. ALBANY, CA

(EM 79374)

5. Transporter 1 Company Name: CARDNO

6. US EPA ID Number

A. State Transporter's ID 707-766-2000

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
INSTRAT INC.
1105 C. AIRPORT ROAD
RIO VISTA, CA 94571

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone 530-753-1829

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS PURGE WATER	01	TRAILER	82	GAL
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
ON BEHALF OF EXXON MOBIL SCOTT PERKINS		10	07	16

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Nicole Bertolini		10	26	16

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
P Mangla	P Mangla	10	26	16

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE