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**Jennifer C. Sedlachek**
Project Manager

ExxonMobil

RECEIVED
By Alameda County Environmental Health 3:29 pm, Dec 15, 2017

December 15, 2017

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 report entitled ***Semi-Annual Groundwater Monitoring and Remediation status Report, Fourth Quarter 2017,*** dated December 15, 2017, for the above-referenced site. The report was prepared by Cardno of Petaluma, California, and details activities related to the subject site.

I have read and acknowledge the content, recommendations and/or conclusions contained in the attached document or report submitted on my behalf to ACDEH's FTP server and the SWRCB's GeoTracker website.

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

Sincerely,

Jennifer C. Sedlachek
Project Manager

Attachment: Cardno's ***Semi-Annual Groundwater Monitoring and Remediation status Report, Fourth Quarter 2017,*** dated December 15, 2017

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
Mr. Charles Drexler, Esq.

w/o attachment
Mr. Scott Perkins, Cardno

December 15, 2017
Cardno 2735C.Q174

Cardno

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

**SUBJECT** **Semi-Annual Groundwater Monitoring and Remediation Status Report, Fourth Quarter 2017**
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 2017 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:** | | 10/26/17 |
| **Wells gauged and sampled:** | | MW1 through MW3, MW3A, MW4 through MW8 |
| **Wells gauged only:** | | AS1, SVE1 through SVE3, MW9 |
| **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:** | 106 gallons of purge and decon water were delivered to InStrat, Inc., of Rio Vista, California, on 11/22/17 | |

## 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, MW7 through MW9, 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 0.04. 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; wells MW4 and MW5, located west of the former USTs; and off-site well MW7. Petroleum hydrocarbon concentrations were consistent with recent results.

Maximum PCE and TCE concentrations were reported in well MW1 and do not coincide with petroleum hydrocarbon concentrations.

Based on the results of the groundwater sampling to date, it appears that the existing well network along with soil borings in Buchanan Street adequately define the area of dissolved-phase petroleum hydrocarbon concentrations.

## RECOMMENDATIONS AND WORK IN PROGRESS

Cardno recommends continued semi-annual groundwater monitoring and sampling during the second and fourth quarters and conducting additional remedial activities at the site. Remediation activities will commence as soon as power is acquired from Pacific Gas & Electric (PG&E). PG&E currently anticipates performing the work in January 2018.

Additional soil vapor assessment activities are expected to be performed during first quarter 2018.

## 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
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Email: christine.capwell@cardno.com

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

Enclosures:

Acronym List

| | |
|---|---|
| Plate 1 | Site Vicinity Map |
| Plate 2 | Select Analytical Results |
| Plate 3 | Groundwater Elevation Map, Shallow Water-Bearing Zone |
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| 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

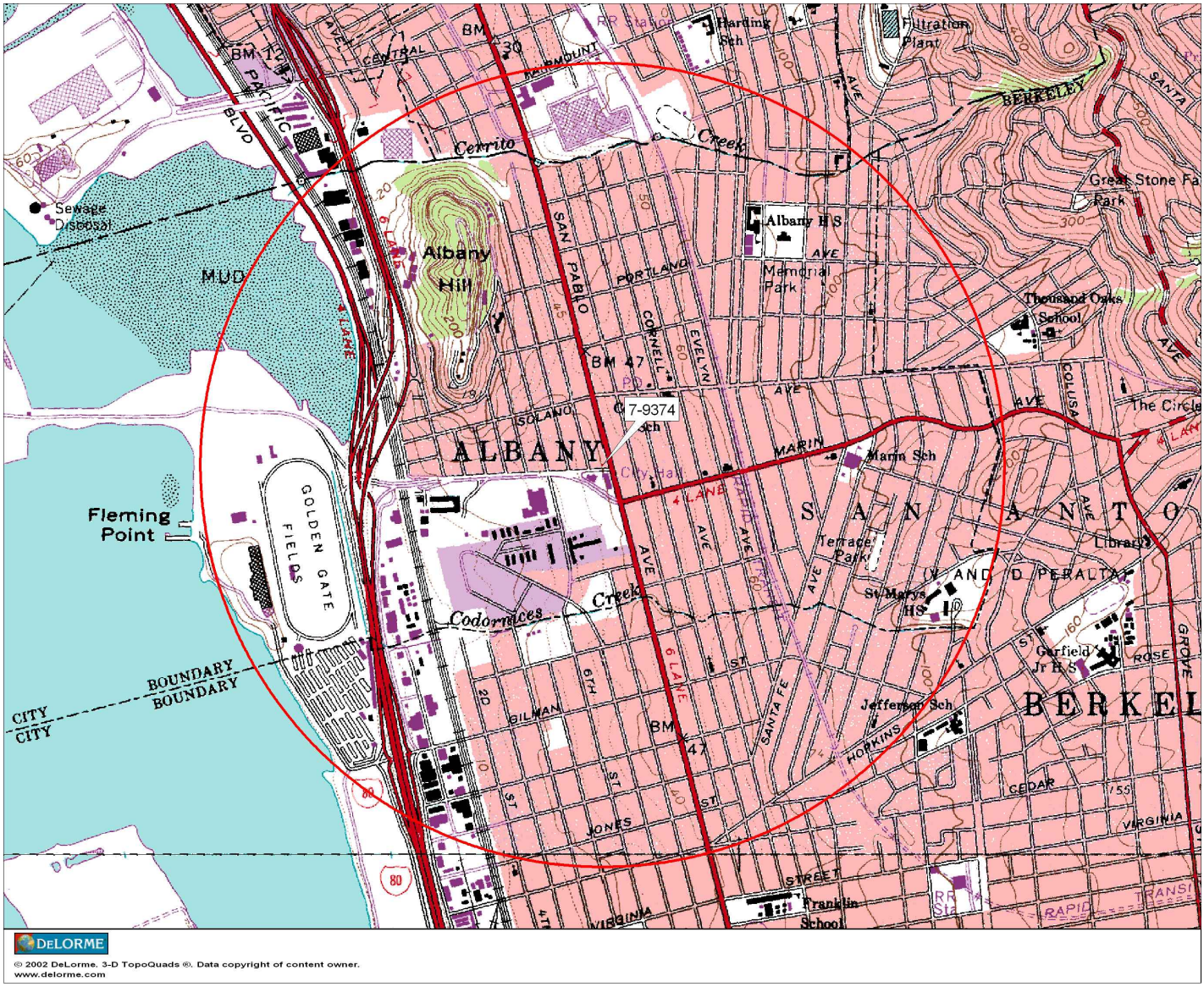
Reverend Deborah Blank, Trustee, The Blank Family Trust, 1563 Solano Avenue, #344, Berkeley, California, 94707

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

Mr. Charles Drexler, Esq., 1724 Mandela Parkway, Suite 1, Oakland, California, 94607

## ACRONYM LIST

| | |
|---|---|
| µg/L | Micrograms per liter |
| µg/m$^3$ | Micrograms per cubic meter |
| µs | Microsiemens |
| 1,2-DCA | 1,2-dichloroethane |
| acfm | Actual cubic feet per minute |
| AS | Air sparge |
| AST | Aboveground storage tank |
| bgs | Below ground surface |
| BTEX | Benzene, toluene, ethylbenzene, and total xylenes |
| 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 |
| HIT | High-intensity targeted |
| 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 and Instrumentation Diagram |
| PAH | Polycyclic aromatic (or polyaromatic) 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 |
| TPH | Total petroleum hydrocarbons |
| 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

Cardno Shaping the Future

**PROJECT NO.** 2735

**PLATE** 1

Analyte Concentrations in ug/L
Sampled October 26, 2017

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.
o Not sampled due to vehicle blocking well.

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


APPROXIMATE SCALE
0 20 40 Feet

FN 2735 17 4QTR QM

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Shaping the Future

# SELECT ANALYTICAL RESULTS
## October 26, 2017

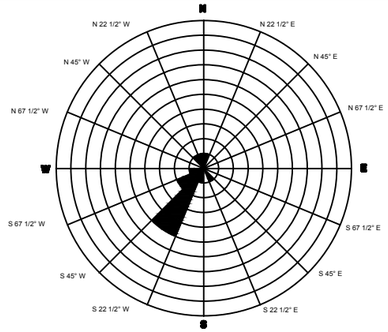
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

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

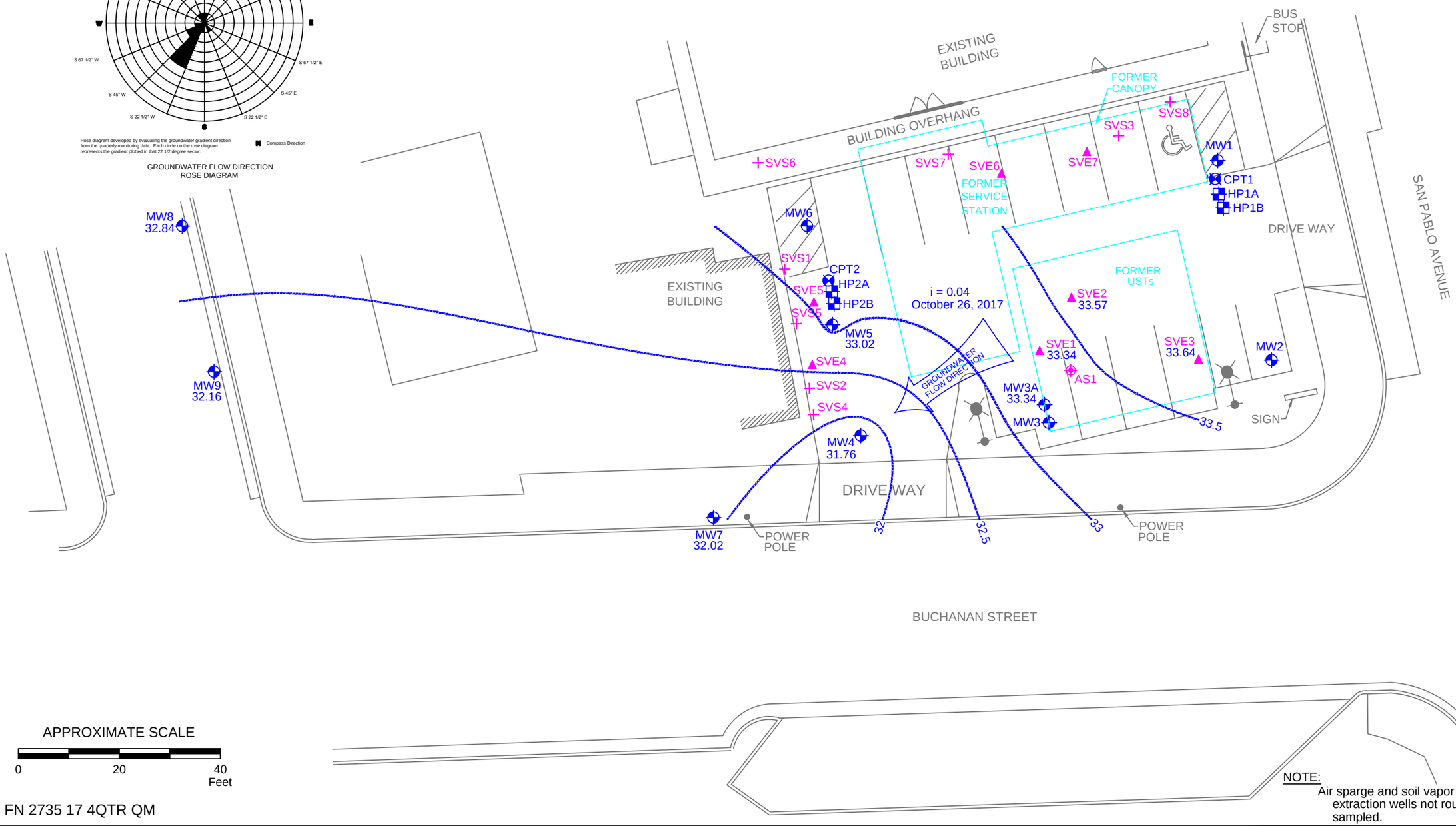
**PROJECT NO.** 2735

**PLATE** 2




GROUNDWATER FLOW DIRECTION
ROSE DIAGRAM




APPROXIMATE SCALE

0 20 40
Feet

FN 2735 17 4QTR QM

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

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# GROUNDWATER ELEVATION MAP
# SHALLOW WATER-BEARING ZONE
# October 26, 2017

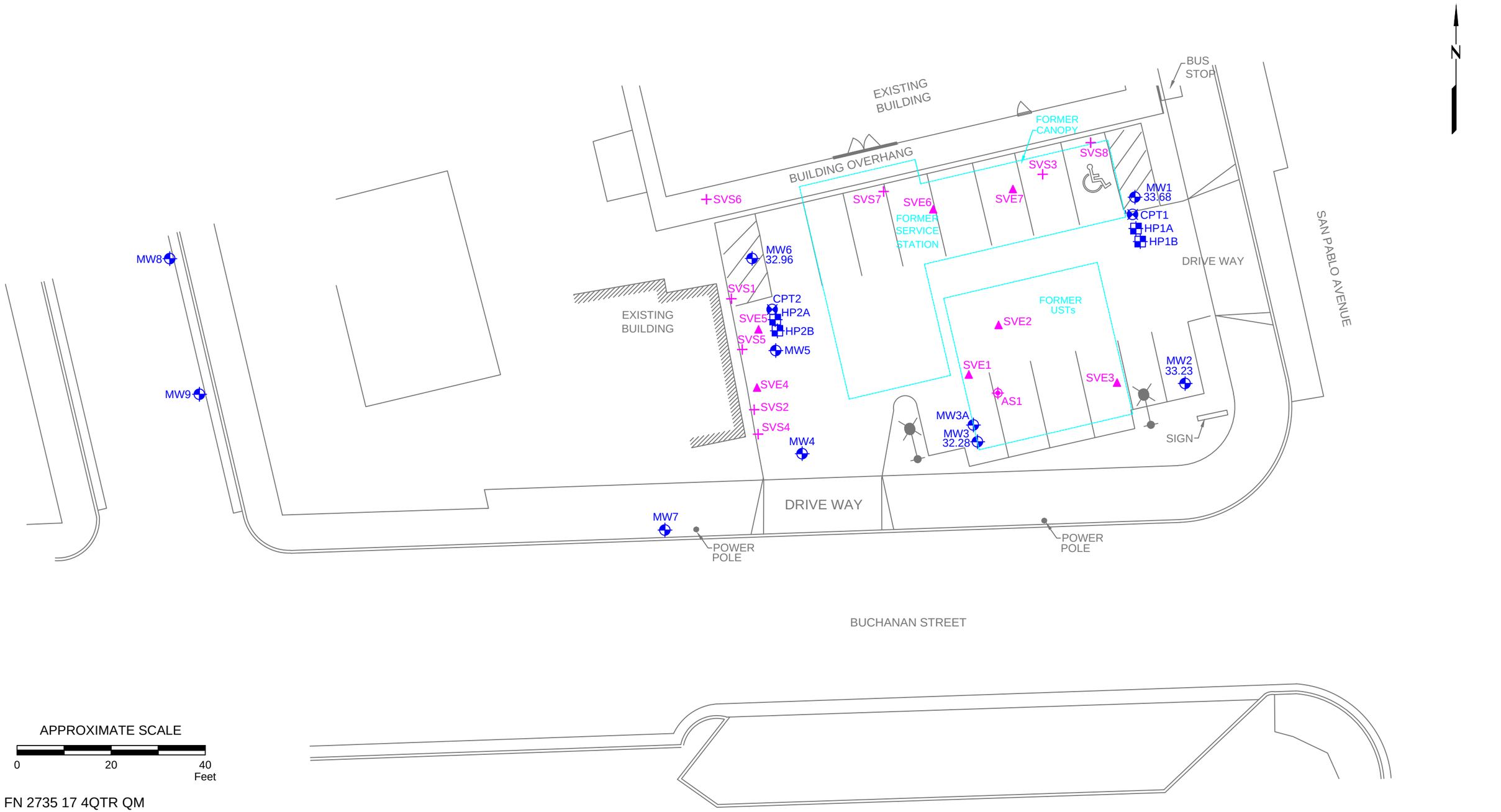
FORMER EXXON SERVICE STATION 79374
990 San Pablo Avenue
Albany, California

EXPLANATION

- MW6 — Groundwater Monitoring Well
- 32.84 — Groundwater elevation in feet; datum is NAVD88
- i = Interpreted Hydraulic Gradient
- CPT2 — Cone Penetration Test Boring
- HP2B — Hydropunch Boring
- 33.5 — 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 17 4QTR QM

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# GROUNDWATER ELEVATION MAP
# DEEP WATER-BEARING ZONE
# October 26, 2017

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

EXPLANATION

- MW6 — Groundwater Monitoring Well
- 32.96 — 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 |
| MW1 | 05/26/17 | --- | 44.19 | 9.28 | 34.91 | No | --- | <230 | 93a | 94a | <0.50 | 1.3 | <0.50 | <0.50 | <0.50 |
| **MW1** | **10/26/17** | **---** | **44.19** | **10.51** | **33.68** | **No** | **---** | **<240** | **56a** | **81a** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** |
| 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 |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW2 | 05/26/17 | --- | 43.99 | 9.61 | 34.38 | No | --- | <230 | <45 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| **MW2** | **10/26/17** | **---** | **43.99** | **10.76** | **33.23** | **No** | **---** | **<240** | **<48** | **<50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** |
| 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 |
| MW3 | 05/26/17 | --- | 43.16 | 8.06 | 35.10 | No | --- | <230 | 2,700a | 1,000a | <10 | 370 | 110 | 530 | 98 |
| **MW3** | **10/26/17** | **---** | **43.16** | **10.88** | **32.28** | **No** | **---** | **<250** | **2,100a** | **3,400a** | **<5.0** | **300** | **99** | **300** | **73** |
| 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 |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW3A | 05/26/17 | --- | 43.42 | 7.96 | 35.46 | No | --- | <230 | <45 | <50 | <0.50 | 0.92 | <0.50 | 0.72 | <0.50 |
| **MW3A** | **10/26/17** | **---** | **43.42** | **10.08** | **33.34** | **No** | **---** | **<240** | **69a** | **160a** | **<0.50** | **7.6** | **1.1** | **0.73** | **0.59** |
| 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 |
| 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 |
| MW4 | 05/26/17 | --- | 42.04 | 6.85 | 35.19 | No | --- | <230 | 3,400a | 9,600a | <5.0 | 510 | 33 | 190 | 85 |
| **MW4** | **10/26/17** | **---** | **42.04** | **10.28** | **31.76** | **No** | **---** | **<240** | **2,900a** | **5,400a** | **<5.0** | **350** | **20** | **210** | **42** |
| 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 |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW5 | 05/26/17 | --- | 43.12 | 7.77 | 35.35 | No | --- | 720a | 3,800a | 820a | <4.0 | 100 | <4.0 | 160 | 29 |
| **MW5** | **10/26/17** | **---** | **43.12** | **10.10** | **33.02** | **No** | **---** | **<240** | **2,200a** | **1,000a** | **<4.0** | **160** | **<4.0** | **55** | **<4.0** |
| 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 |
| 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 |
| MW6 | 05/26/17 | --- | 43.80 | 8.52 | 35.28 | No | --- | <230 | 730a | 510a | <0.50 | 3.1 | 0.64 | 3.0 | 2.7 |
| **MW6** | **10/26/17** | **---** | **43.80** | **10.84** | **32.96** | **No** | **---** | **<240** | **140a** | **600a** | **<0.50** | **0.98** | **<0.50** | **1.5** | **1.0** |
| 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 |
| MW7 | 05/26/17 | --- | 41.21 | 7.11 | 34.10 | No | --- | 570a | 7,800a | 980a | <2.5 | 200 | 11 | 23 | 17 |
| **MW7** | **10/26/17** | **---** | **41.21** | **9.19** | **32.02** | **No** | **---** | **<240** | **2,500a** | **1,100a** | **<4.0** | **150** | **8.8** | **9.4** | **11** |
| MW8 | 12/08/14 | --- | Well installed. | | | | | | | | | | | | |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW8 | 05/26/17 | | --- | 39.65 | 5.80 | 33.85 | No | --- | <230 | <45 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| **MW8** | **10/26/17** | | **---** | **39.65** | **6.81** | **32.84** | **No** | **---** | **<240** | **<47** | **<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 |
| MW9 | 05/26/17 | | --- | 39.50 | 6.10 | 33.40 | No | --- | <230 | 260a | 58a | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 |
| **MW9** | **10/26/17** | **o** | **---** | **39.50** | **7.34** | **32.16** | **No** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** |
| AS1 | 01/18/12 | | --- | Well installed. | | | | | | | | | | | | |
| AS1 | 10/19/12 | | --- | --- | 10.32 | --- | No | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| AS1 | 05/26/17 | | --- | --- | 8.04 | --- | No | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **AS1** | **10/26/17** | | **---** | **---** | **9.98** | **---** | **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 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SVE1 | 05/26/17 | | --- | 43.32 | 7.79 | 35.53 | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **SVE1** | **10/26/17** | **---** | **43.32** | **9.98** | **33.34** | **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 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SVE2 | 05/26/17 | --- | 43.68 | 8.24 | 35.44 | No | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SVE2** | **10/26/17** | **---** | **43.68** | **10.11** | **33.57** | **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 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SVE3 | 05/26/17 | --- | 43.67 | 7.84 | 35.83 | No | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SVE3** | **10/26/17** | **---** | **43.67** | **10.03** | **33.64** | **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 | - Present | 43.10 | Well not gauged or sampled. | | | | | | | | | | | |
| 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SVE5 | 10/07/16 | - Present | 43.70 | Well not gauged or sampled. | | | | | | | | | | | |
| 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 | - Present | 44.37 | Well not gauged or sampled. | | | | | | | | | | | |
| 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 | - Present | 44.48 | Well not gauged or sampled. | | | | | | | | | | | |
| **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 |
| 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-SVE1-2 | 01/31/12 | 10 | --- | --- | --- | --- | --- | 890a | 1,500a | 1,400 | <1.0 | 46 | 2.0 | 24 | 23 |
| W-10-SVE1-1 | 01/31/12 | 10 | --- | --- | --- | --- | --- | 990a | 1,900a | 2,000 | <2.0 | 87 | 2.1 | 13 | 23 |
| W-5-B7 | 02/27/14 | 5 | --- | --- | --- | --- | --- | <310 | <62 | <50 | <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

| 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 naphthalene (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. |
| o | = | Not sampled due to vehicle blocking well. |

**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) | sec-Butyl-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 |
| MW1 | 05/26/17 | --- | <0.50 | <0.50 | <0.50 | 6.2 | <0.50 | <0.50 | 15 | 4.0 | <1.0 | <10 | <5.0 | <0.50 | <0.50 | <1.0 | <0.50 | 2.1 |
| **MW1** | **10/26/17** | **---** | **<0.50** | **<0.50** | **<0.50** | **<5.0** | **<0.50** | **<0.50** | **12** | **5.4** | **<1.0** | **<10** | **<5.0** | **<0.50** | **<0.50** | **<1.0** | **<0.50** | **1.6** |
| 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 |
| MW2 | 05/26/17 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | 24 | 3.1 | <1.0 | <10 | <5.0 | <0.50 | <0.50 | <1.0 | <0.50 | <0.50 |
| **MW2** | **10/26/17** | **---** | **<0.50** | **<0.50** | **<0.50** | **<5.0** | **<0.50** | **<0.50** | **37** | **5.6** | **<1.0** | **<10** | **<5.0** | **<0.50** | **<0.50** | **<1.0** | **<0.50** | **<0.50** |
| MW3 | 11/08/10 | --- | 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) | sec-Butyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| MW3 | 05/26/17 | --- | <10 | <10 | <10 | <100 | <10 | <10 | <10 | <10 | 170 | 220 | <100 | <10 | <10 | <20 | 19 | 13 |
| **MW3** | **10/26/17** | **---** | **<5.0** | **<5.0** | **<5.0** | **<50** | **<5.0** | **<5.0** | **<5.0** | **<5.0** | **98** | **<100** | **<50** | **<5.0** | **<5.0** | **<10** | **22** | **15** |
| 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 |
| MW3A | 05/26/17 | --- | <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** | **10/26/17** | **---** | **<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** | **1.2** |
| 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**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) | sec-Butyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW4 | 05/26/17 | --- | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | <5.0 | <5.0 | 160 | 120 | <50 | <5.0 | <5.0 | <10 | 89 | 28 |
| **MW4** | **10/26/17** | **---** | **<5.0** | **<5.0** | **<5.0** | **<50** | **<5.0** | **<5.0** | **<5.0** | **<5.0** | **220** | **<100** | **<50** | **<5.0** | **<5.0** | **<10** | **72** | **23** |
| MW5 | 11/11/10 | --- | Well installed. | | | | | | | | | | | | | | | |
| 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 |
| MW5 | 05/26/17 | --- | <4.0 | <4.0 | <4.0 | <40 | <4.0 | <4.0 | <4.0 | <4.0 | 50 | <80 | <40 | <4.0 | <4.0 | <8.0 | 60 | 26 |
| **MW5** | **10/26/17** | **---** | **<4.0** | **<4.0** | **<4.0** | **<40** | **<4.0** | **<4.0** | **<4.0** | **<4.0** | **41** | **<80** | **<40** | **<4.0** | **<4.0** | **<8.0** | **63** | **32** |
| 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 |

**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) | sec-Butyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW6 | 05/26/17 | --- | <0.50 | <0.50 | <0.50 | 5.5 | <0.50 | <0.50 | <0.50 | <0.50 | 14 | <10 | <5.0 | <0.50 | <0.50 | <1.0 | 11 | 6.7 |
| **MW6** | **10/26/17** | **---** | **<0.50** | **<0.50** | **<0.50** | **<5.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **4.8** | **<10** | **<5.0** | **<0.50** | **<0.50** | **<1.0** | **3.7** | **2.6** |
| 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 |
| MW7 | 05/26/17 | --- | <2.5 | <2.5 | <2.5 | <25 | <2.5 | 14 | <2.5 | <2.5 | 140 | 100 | 42 | <2.5 | <2.5 | <5.0 | 110 | 50 |
| **MW7** | **10/26/17** | **---** | **<4.0** | **<4.0** | **<4.0** | **<40** | **<4.0** | **18** | **<4.0** | **<4.0** | **69** | **<80** | **<40** | **<4.0** | **<4.0** | **<8.0** | **48** | **23** |
| MW8 | 12/08/14 | --- | Well installed. | | | | | | | | | | | | | | | |
| MW8 | 12/30/14 | --- | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| MW8 | 05/26/17 | --- | <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** | **10/26/17** | **---** | **<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 |
| MW9 | 05/26/17 | --- | <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 | 1.8 | 0.77 |
| **MW9** | **10/26/17 o** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** |
| 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. | | | | | | | | | | | | | | | |

**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) | sec-Butyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 l | | <50 | <50 | <50 | <200 | <50 | <50 | <50 | <50 | 1,500 | <1,000 | <200 | <50 | <50 | <50 | 210 | 68 |
| 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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**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) | sec-Butyl-benzene (µg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| W-60.5-HP2B | 10/27/10 | 60.5 | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W-10-SVE1-1 | 01/31/12 | 10 | <2.0 | <2.0 | <2.0 | 62 | <2.0 | <2.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W-10-SVE1-2 | 01/31/12 | 10 | <1.0 | <1.0 | <1.0 | 57 | <1.0 | <1.0 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 naphthalene (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. |
| o | = | Not sampled due to vehicle blocking well. |

**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 |
| MW1 | 05/26/17 | --- | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | 3.9 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | ND |
| **MW1** | **10/26/17** | **---** | **<1.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **6.3** | **<5.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **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 |
| MW2 | 05/26/17 | --- | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | 3.9 | <5.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | ND |
| **MW2** | **10/26/17** | **---** | **<1.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **8.2** | **<5.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **ND** |
| MW3 | 11/08/10 | --- | 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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW3 | 12/16/10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 01/31/11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 04/07/11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| MW3 | 07/18/11 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| MW3 | 05/26/17 | --- | <20 | <10 | <10 | <10 | <10 | <10 | <100 | <10 | <10 | 73 | 88 | 14 | <10 | <10 | 23 | <10 | ND |
| **MW3** | **10/26/17** | **---** | **<10** | **<5.0** | **<5.0** | **<5.0** | **<5.0** | **<5.0** | **<50** | **<5.0** | **<5.0** | **83** | **130** | **14** | **<5.0** | **8.5** | **22** | **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 |
| MW3A | 05/26/17 | --- | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | <0.50 | 0.54 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | ND |
| **MW3A** | **10/26/17** | **---** | **<1.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<5.0** | **<0.50** | **<0.50** | **1.3** | **1.2** | **<0.50** | **<0.50** | **<0.50** | **0.55** | **0.94** | **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 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW4 | 05/26/17 | --- | <10 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <50 | <5.0 | <5.0 | 78 | 190 | 9.0 | <5.0 | 250 | 120 | 8.7 | ND |
| **MW4** | **10/26/17** | **---** | **<10** | **<5.0** | **<5.0** | **<5.0** | **<5.0** | **<5.0** | **<50** | **<5.0** | **<5.0** | **73** | **200** | **7.0** | **<5.0** | **43** | **86** | **8.6** | **ND** |
| MW5 | 11/11/10 | --- | Well installed. | | | | | | | | | | | | | | | | |
| 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 |
| MW5 | 05/26/17 | --- | <8.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <40 | <4.0 | <4.0 | 40 | 150 | 9.2 | <4.0 | 230 | 40 | <4.0 | ND |
| **MW5** | **10/26/17** | **---** | **<8.0** | **<4.0** | **<4.0** | **<4.0** | **<4.0** | **<4.0** | **<40** | **<4.0** | **<4.0** | **61** | **200** | **6.4** | **<4.0** | **63** | **17** | **<4.0** | **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 |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 |
| MW6 | 05/26/17 | --- | <1.0 | 0.58 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | 17 | 40 | 0.69 | <0.50 | 0.71 | 0.52 | <0.50 | ND |
| **MW6** | **10/26/17** | **---** | **<1.0** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<0.50** | **<5.0** | **<0.50** | **<0.50** | **6.7** | **18** | **<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 |
| MW7 | 05/26/17 | --- | <5.0 | <2.5 | <2.5 | <2.5 | <2.5 | <2.5 | <25 | <2.5 | <2.5 | 140 | 410 | 6.9 | <2.5 | 2.7 | 3.7 | 7.0 | ND |
| **MW7** | **10/26/17** | **---** | **<8.0** | **<4.0** | **<4.0** | **<4.0** | **<4.0** | **<4.0** | **<40** | **<4.0** | **<4.0** | **72** | **200** | **<4.0** | **<4.0** | **<4.0** | **4.1** | **4.6** | **ND** |
| MW8 | 12/08/14 | --- | Well installed. | | | | | | | | | | | | | | | | |
| MW8 | 12/30/14 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| MW8 | 05/26/17 | --- | <1.0 | <0.50 | <0.50 | <0.50 | <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** | **10/26/17** | **---** | **<1.0** | **<0.50** | **<0.50** | **2.3** | **<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 |
| MW9 | 05/26/17 | --- | <1.0 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | <5.0 | <0.50 | <0.50 | 0.97 | 3.7 | <0.50 | <0.50 | <0.50 | <0.50 | <0.50 | ND |
| **MW9** | **10/26/17** | **o** **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** | **---** |
| 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. | | | | | | | | | | | | | | | | |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | l | --- | <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 |
| 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-SVE1-1 | 01/31/12 | | 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| W-10-SVE1-2 | 01/31/12 | | 10 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |

**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 naphthalene (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. |
| o | = | Not sampled due to vehicle blocking well. |

**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 |
| $\pi$ | = | 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

# Daily Field Report

Cardno
Shaping the Future

**Project ID #:** Former Exxon Mobil # 79374
**Subject:** Power pole hole digging / 4Q GW Monitoring & Sampling **Date:** 10/26/17
**Equipment Used:** DTW Tape, Hand bailers, GW pumps, shovels, dry bag **Sheet:** 1 of 1
**Name(s):** Scott Sawko, Nick Hagerl
**Time Arrived On Site:** 0430 **Time Departed Site:** 1630

SS Arrived on site @ 0430
- Held safety tailgate meeting and reviewed HASP/JSA's/Emergency Plan
- SS opened all wells for 0.5 hr to allow equalization 0445 - 0530

-NH Arrived on site @ 0515
- NH began continuing digging work from yesterday after reviewing HASP/JSA's/Emergency plan 0530 - 0545

- SS began gauging all wells on site ~~0545 - 0715~~ 0550 - 0730
- SS set up decon station in truck @ and decanned pumps 0730 - 0800 ~~0715 - 0730~~

| | | | | | |
|---|---|---|---|---|---|
| * - SS | purged | MW 9 | dry | 0833 - 0836 | 4 gallons |
| - SS | purged | MW 8 | dry | 0858 - 0902 | 4 gallons sampled @ 1525 @ 8.21 ft |
| - SS | purged | MW 1 | | 1016 - 1034 | Sampled @ 1330 @ 10.74 ft |
| - SS | purged | MW 2 | dry | 1103 - 1110 | 7 gallons sampled @ 1350 @ 10.76 ft |
| - SS | purged | MW 6 | | 1144 - 1206 | Sampled @ 1420 @ 15.31 ft |
| - SS | purged | MW 5 | dry | 1233 - 1250 | 2 gallons sampled @ 1455 @ 11.69 ft |
| - NH | finished | digging @ | | 1030 and | set up decon station |
| - NH | purged | MW 3A | dry | 1119 - 1125 | 7 gallons sampled @ 1440 @ 14.80 ft |
| - NH | purged | MW 3 | dry | 1150 - 1210 | 7 gallons sampled @ 1450 @ 14.82 ft |
| - NH | purged | MW 7 | | 1230 - 1254 | Sampled @ 1550 @ 9.76 ft |
| - NH | purged | MW 4 | | 1330 - 1353 | Sampled @ 1540 @ 11.25 ft |

* Could not grab sample from MW9 due to car blocking well went back next day to see if well was open but it was not.

- Cleaned site and work trucks
OFF SITE @ 1630

Total water used for event:
Decon $H_2O$ : 60 gallons
Purge $H_2O$ = 46 gallons
Total $H_2O$ = 106 gallons

# Cardno Groundwater M+S
## Depth To Water

Case Volume= (TD-DTW) x F
80% Recharge= ((TD-DTW) x 0.8) - TD) x (-1.0)

Where F= 0.163 for 2" inside-diameter well casing
0.652 for 4" inside-diameter well casing
1.457 for 6" inside-diameter well casing

**Project** 2735 C | **Location** 79374 | **Date** 10/26/17 | **Name(s)** SS, MH

| WELL ID | WELL DIAMETER Inches | Previous TD Feet | 2017 TD Feet | Pre-Purge DTW Feet | Case volume Gal. | 80% r/chrg. DTW Feet | COMMENTS |
|---|---|---|---|---|---|---|---|
| AS1 | 1 | - | ~~9.98~~ | 9.98 | - | - | Gauge only |
| SVE 1 | 4 | - | ~~9.78~~ | 9.~~98~~ | - | - | " " |
| SVE2 | 4 | - | ~~10.11~~ | 10.11 | - | - | " " |
| SVE3 | 4 | - | ~~10.03~~ | 10.03 | - | - | " " |
| MW1 | 2 | | 16.61 | 10.51 | 0.99 | 11.73 | |
| MW2 | 4 | | 16.89 | 10.76 | 3.99 | 11.99 | |
| MW 8 | 2 | | 14.41 | 6.81 | 1.24 | 8.33 | |
| MW4 | 2 | | 14.26 | 7.34 | 1.13 | 8.72 | |
| MW 3A | 4 | | 15.00 | 10.08 | 3.21 | 11.06 | |
| MW 6 | 2 | | 19.56 | 10.84 | 1.42 | 12.58 | |
| MW 7 | 2 | | 14.44 | 9.19 | 0.86 | 11.01 | |
| MW 3 | 4 | | 15.21 | 10.88 | 2.82 | 11.75 | |
| MW 5 | 2 | | 13.37 | 10.10 | 0.53 | 10.75 | |
| MW4 | 2 | | 13.09 | 10.28 | 0.46 | 10.84 | |
| | | | | | | | |
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# GROUNDWATER SAMPLING FIELD LOG

Client Name: EMES

Location: 79374

Field Crew: SS, NH

Cardno Job #: 2735C

Date: _____ 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW9 | 0833 | 1.19 | 2 | | | | Dry | NO | | | | | | Dry @ 4 gall |
| | 0933 | | ZERO | 19.2 | 555 | 6.69 | | | | | | | | Sampled @ [illegible] |
| | 0834 | | 2 | 19.9 | 627 | 7.11 | Sample Date: | | | | | | | * Car blocking well when |
| | 0836 | | 4 | 19.2 | 620 | 7.52 | Sample Name: | | | | | | | I went back to sample |
| | — | | 6 | — | — | — | Sample Time: | [illegible] | | | | | | |
| MW8 | 0856 | 1.24 | 2 | | | | Dry | ND | | | | | | Dry @ 4 gall |
| | 0858 | | ZERO | 18.6 | 610 | 7.24 | | | | | | | | |
| | 0900 | | 2 | 20.3 | 600 | 7.01 | Sample Date: | 10/26/17 | | | | | | |
| | 0902 | | 4 | 20.5 | 619 | 7.00 | Sample Name: | MW8 | | | | | | |
| | — | | 6 | — | — | — | Sample Time: | 1525 | | | | | | |
| MW1 | 1016 | 0.99 | 1 | | | | 14.04 | Yes | | | | | | Took sample @ 10.74 |
| | 1016 | | ZERO | 21.6 | 1105 | 6.67 | | | | | | | | |
| | 1021 | | 1 | 21.6 | 1219 | 6.63 | Sample Date: | 10/26/17 | | | | | | |
| | 1028 | | 2 | 21.5 | 1235 | 6.63 | Sample Name: | MW1 | | | | | | |
| | 1034 | | 3 | 21.5 | 1242 | 6.62 | Sample Time: | 1330 | | | | | | |
| MW2 | 1103 | 3.99 | 4 | | | | Dry | Yes | | | | | | Dry @ 7 gallons |
| | 1103 | | ZERO | 21.8 | 1077 | 6.69 | 10.76 | | | | | | | Sampled @ 10.76 |
| | 1106 | | 4 | 23.0 | 956 | 6.62 | Sample Date: | 10/26/17 | | | | | | |
| | 1110 | | 8 | 22.7 | 1030 | 6.54 | Sample Name: | MW2 | | | | | | |
| | — | | 12 | — | — | — | Sample Time: | 1300 | | | | | | |
| MW6 | 1144 | 1.42 | 2 | | | | 18.30 | NO | | | | | | Sampled @ 15.31 |
| | 1144 | | ZERO | 22.7 | 742 | 6.72 | | | | | | | | |
| | 1155 | | 2 | 21.9 | 786 | 6.67 | Sample Date: | 10/26/17 | | | | | | |
| | 1204 | | 4 | 22.1 | 756 | 6.48 | Sample Name: | MW6 | | | | | | |
| | 1206 | | 6 | 22.0 | 870 | 6.52 | Sample Time: | 1420 | | | | | | |

Additional Remarks:

# GROUNDWATER SAMPLING FIELD LOG

Client Name: EMES

Location: 79374

Field Crew: SS, NH

Cardno Job #: 2735C

Date: _____ 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW3A | | 3.21 | 4 | | | | Dry | NO | | | | | | 11.06 |
| | 1119 | | ZERO | 23.1 | 634 | 6.65 | | | | | | | | went dry at 7 gallons |
| | 1122 | | 4 | 23.0 | 565 | 6.63 | Sample Date: 10/26/17 | | | | | | | Sampled at DTW of |
| | 1125 | | 6 | 23.1 | 560 | 6.60 | Sample Name: MW3A | | | | | | | 14.9 |
| | — | | 7 | — | — | — | Sample Time: 1440 | | | | | | | |
| MW3 | | 2.62 | 3 | | | | Dry | NO | | | | | | |
| | 1150 | | ZERO | 26.2 | 1002 | 6.58 | | | | | | | | went dry at 7 11.75 |
| | 1204 | | 3 | 24.2 | 1010 | 5.20 | Sample Date: 10/26/17 | | | | | | | sampled at DTW of |
| | — | | 6 | 24.3 | 995 | 6.50 | Sample Name: MW3 | | | | | | | 14.82 |
| | — | | 9 | — | — | — | Sample Time: 1450 | | | | | | | |
| MW7 | | .86 | 1 | | | | 9.76 | Yes | | | | | | |
| | 1230 | | ZERO | 23.3 | 864 | 6.40 | | | | | | | | |
| | 1236 | | 1 | 24.0 | 8.11 | 7.02 | Sample Date: 10/26/17 | | | | | | | |
| | 1241 | | 2 | 23.2 | 8.63 | 7.40 | Sample Name: MW 7 | | | | | | | |
| | 1294 | | 3 | 22.4 | 840 | 7.43 | Sample Time: [redacted] 1550 | | | | | | | |
| MW4 | | .46 | 1 | | | | 11.25 | No | | | | | | |
| | 1330 | | ZERO | 25.6 | 1016 | 4.89 | | | | | | | | Sampled at DTW of |
| | 1340 | | 1 | 26.3 | 1008 | 6.52 | Sample Date: 10/26/17 | | | | | | | 11.25 |
| | 1345 | | 2 | 23.4 | 1015 | 6.52 | Sample Name: MW4 | | | | | | | |
| | 1353 | | 3 | 24.4 | 1016 | 6.52 | Sample Time: 1540 | | | | | | | |
| MW5 | 1238 | 0.53 | 1 | | | | Dry | No | | | | | | Dry @ 2 gallons |
| | 1238 | | ZERO | 23.7 | 825 | 6.46 | | | | | | | | Sampled @ 11.69 ft |
| | 1244 | | 1 | 23.5 | 820 | 6.40 | Sample Date: 10/26/17 | | | | | | | |
| | 1250 | | 2 | 23.1 | 834 | 6.44 | Sample Name: MW5 | | | | | | | |
| | — | | 3 | — | — | — | Sample Time: 1458 | | | | | | | |

Additional Remarks:

MW4

# WATER SAMPLING SITE STATUS

Date: 10/27/2017

Inspected by: SS, MH

Cardno Job No.: 2735-C  Station No.: 79374  Site Address: 940 San Pablo Ave

| 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 | |
| MW3A | ok | ok | ok | ok | ok | ok | N | ok | ok | NA | NA | NA | NA | ok | |
| MW3 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW8 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW9 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW6 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW7 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW4 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW5 | ok | ok | ok | ok | ok | ok | N | ok | ok | | | | | | |
| MW1 | ok | ok | ok | ok | ok | ok | Y | ok | ok | | | | | | |
| MW2 | ok | ok | ok | ok | ok | ok | Y | 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).

# APPENDIX C

# LABORATORY ANALYTICAL REPORT

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# WORK ORDER NUMBER: 17-10-2182

*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 11/13/2017 by:
Cecile deGuia
Project Manager

ResultLink

Email your PM

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# Contents

Client Project Name: ExxonMobil 79374/022735C
Work Order Number: 17-10-2182

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# Work Order Narrative

Work Order: 17-10-2182 Page 1 of 1

**Condition Upon Receipt:**

Samples were received under Chain-of-Custody (COC) on 10/28/17. They were assigned to Work Order 17-10-2182.

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.

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# Sample Summary

| | | | |
|---|---|---|---|
| Client: | Cardno | Work Order: | 17-10-2182 |
| | 601 North McDowell Blvd. | Project Name: | ExxonMobil 79374/022735C |
| | Petaluma, CA 94954-2312 | PO Number: | 022735C |
| | | Date/Time Received: | 10/28/17 10:00 |
| | | Number of Containers: | 92 |
| Attn: | Scott Perkins | | |

| Sample Identification | Lab Number | Collection Date and Time | Number of Containers | Matrix |
|---|---|---|---|---|
| QCBB | 17-10-2182-1 | 10/26/17 07:00 | 2 | Aqueous |
| MW1 | 17-10-2182-2 | 10/26/17 13:30 | 10 | Aqueous |
| MW2 | 17-10-2182-3 | 10/26/17 13:50 | 10 | Aqueous |
| MW3 | 17-10-2182-4 | 10/26/17 14:50 | 10 | Aqueous |
| MW3A | 17-10-2182-5 | 10/26/17 14:40 | 10 | Aqueous |
| MW4 | 17-10-2182-6 | 10/26/17 15:40 | 10 | Aqueous |
| MW5 | 17-10-2182-7 | 10/26/17 14:55 | 10 | Aqueous |
| MW6 | 17-10-2182-8 | 10/26/17 14:20 | 10 | Aqueous |
| MW7 | 17-10-2182-9 | 10/26/17 15:50 | 10 | Aqueous |
| MW8 | 17-10-2182-10 | 10/26/17 15:25 | 10 | Aqueous |

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# Analytical Report

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

Project: ExxonMobil 79374/022735C

Date Received: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-2-I** | **10/26/17 13:30** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 17:47** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 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 |
|---|---|---|---|---|---|---|---|
| **MW2** | **17-10-2182-3-I** | **10/26/17 13:50** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 18:09** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

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

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW3** | **17-10-2182-4-I** | **10/26/17 14:50** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 18:33** | **171102B02S** |

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

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 77 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW3A** | **17-10-2182-5-I** | **10/26/17 14:40** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 18:55** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 78 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW4** | **17-10-2182-6-I** | **10/26/17 15:40** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 19:18** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 83 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-7-I** | **10/26/17 14:55** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 20:26** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 76 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW6** | **17-10-2182-8-I** | **10/26/17 14:20** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 20:48** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 79 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW7** | **17-10-2182-9-I** | **10/26/17 15:50** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 21:10** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 101 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW8** | **17-10-2182-10-I** | **10/26/17 15:25** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 21:32** | **171102B02S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Motor Oil | ND | 240 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 80 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **Method Blank** | **099-15-278-1484** | **N/A** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 15:33** | **171102B02S** |

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

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 86 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-2-I** | **10/26/17 13:30** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 17:47** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 56 | 47 | 1.00 | HD,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 |
|---|---|---|---|---|---|---|---|
| **MW2** | **17-10-2182-3-I** | **10/26/17 13:50** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 18:09** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | ND | 48 | 1.00 | SG |

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

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW3** | **17-10-2182-4-I** | **10/26/17 14:50** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 18:33** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 2100 | 50 | 1.00 | HD,SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 77 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW3A** | **17-10-2182-5-I** | **10/26/17 14:40** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 18:55** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 69 | 47 | 1.00 | HD,SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 78 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW4** | **17-10-2182-6-I** | **10/26/17 15:40** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 19:18** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 2900 | 47 | 1.00 | HD,SG |

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

Date Received: 10/28/17
Work Order: 17-10-2182
Preparation: EPA 3510C
Method: EPA 8015B (M)
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** | **17-10-2182-7-I** | **10/26/17 14:55** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 20:26** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 2200 | 48 | 1.00 | HD,SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 76 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW6** | **17-10-2182-8-I** | **10/26/17 14:20** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 20:48** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 140 | 47 | 1.00 | HD,SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 79 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW7** | **17-10-2182-9-I** | **10/26/17 15:50** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 21:10** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | 2500 | 47 | 1.00 | HD,SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 101 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW8** | **17-10-2182-10-I** | **10/26/17 15:25** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 21:32** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | ND | 47 | 1.00 | SG |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 80 | 68-140 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **Method Blank** | **099-15-304-1883** | **N/A** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 15:33** | **171102B01S** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Diesel | ND | 50 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| n-Octacosane | 86 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-2-G** | **10/26/17 13:30** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 16:01** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 81 | 50 | 1.00 | HD |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 79 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW2** | **17-10-2182-3-G** | **10/26/17 13:50** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 12:11** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | ND | 50 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 76 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW3** | **17-10-2182-4-G** | **10/26/17 14:50** | **Aqueous** | **GC 22** | **11/07/17** | **11/08/17 09:05** | **171107L061** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 3400 | 100 | 2.00 | HD |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 102 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW3A** | **17-10-2182-5-G** | **10/26/17 14:40** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 17:07** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 160 | 50 | 1.00 | HD |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 80 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW4** | **17-10-2182-6-G** | **10/26/17 15:40** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 18:13** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 5400 | 500 | 10.0 | HD |

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

Date Received: 10/28/17
Work Order: 17-10-2182
Preparation: EPA 5030C
Method: EPA 8015B (M)
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** | **17-10-2182-7-G** | **10/26/17 14:55** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 23:12** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 1000 | 250 | 5.00 | HD |

| 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 |
|---|---|---|---|---|---|---|---|
| **MW6** | **17-10-2182-8-G** | **10/26/17 14:20** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 17:40** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 600 | 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** | **17-10-2182-9-G** | **10/26/17 15:50** | **Aqueous** | **GC 22** | **11/01/17** | **11/02/17 01:24** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | 1100 | 250 | 5.00 | HD |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 79 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **MW8** | **17-10-2182-10-G** | **10/26/17 15:25** | **Aqueous** | **GC 22** | **11/02/17** | **11/02/17 14:00** | **171102L063** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | ND | 50 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 77 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **Method Blank** | **099-12-436-11729** | **N/A** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 11:38** | **171101L079** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | ND | 50 | 1.00 | |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| 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** | **099-12-436-11730** | **N/A** | **Aqueous** | **GC 22** | **11/02/17** | **11/02/17 11:49** | **171102L063** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | ND | 50 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 66 | 38-134 | |

| Client Sample Number | Lab Sample Number | Date/Time Collected | Matrix | Instrument | Date Prepared | Date/Time Analyzed | QC Batch ID |
|---|---|---|---|---|---|---|---|
| **Method Blank** | **099-12-436-11741** | **N/A** | **Aqueous** | **GC 22** | **11/07/17** | **11/07/17 19:38** | **171107L061** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| TPH as Gasoline | ND | 50 | 1.00 | |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| 1,4-Bromofluorobenzene | 69 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-2-A** | **10/26/17 13:30** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 05:09** | **171104L021** |

| 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 | 6.3 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 2 of 36 |

| 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 | 1.6 | 0.50 | 1.00 | |
| Styrene | ND | 0.50 | 1.00 | |
| tert-Butylbenzene | ND | 0.50 | 1.00 | |
| Tetrachloroethene | 12 | 0.50 | 1.00 | |
| Trichloroethene | 5.4 | 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 | 96 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 3 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 102 | 80-127 | |
| 1,2-Dichloroethane-d4 | 106 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-3-A** | **10/26/17 13:50** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 05:38** | **171104L021** |

| 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 | 8.2 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 5 of 36 |

| 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 | 37 | 0.50 | 1.00 | |
| Trichloroethene | 5.6 | 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 | 91 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 6 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 101 | 80-127 | |
| 1,2-Dichloroethane-d4 | 99 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-4-C** | **10/26/17 14:50** | **Aqueous** | **GC/MS UU** | **11/08/17** | **11/09/17 04:03** | **171108L051** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| Benzene | 300 | 5.0 | 10.0 | |
| Toluene | 99 | 5.0 | 10.0 | |
| Ethylbenzene | 300 | 5.0 | 10.0 | |
| o-Xylene | 15 | 5.0 | 10.0 | |
| p/m-Xylene | 59 | 5.0 | 10.0 | |
| Xylenes (total) | 73 | 5.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 5.0 | 10.0 | |
| Tert-Butyl Alcohol (TBA) | ND | 50 | 10.0 | |
| Diisopropyl Ether (DIPE) | ND | 5.0 | 10.0 | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 5.0 | 10.0 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 5.0 | 10.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 10.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 10.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 10.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 10.0 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 5.0 | 10.0 | |
| 1,1-Dichloroethane | ND | 5.0 | 10.0 | |
| 1,1-Dichloroethene | ND | 5.0 | 10.0 | |
| 1,1-Dichloropropene | ND | 5.0 | 10.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 10.0 | |
| 1,2,3-Trichloropropane | ND | 10 | 10.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 10.0 | |
| 1,2,4-Trimethylbenzene | 8.5 | 5.0 | 10.0 | |
| 1,3,5-Trimethylbenzene | 22 | 5.0 | 10.0 | |
| c-1,2-Dichloroethene | ND | 5.0 | 10.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 50 | 10.0 | |
| 1,2-Dibromoethane | ND | 5.0 | 10.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 10.0 | |
| 1,2-Dichloroethane | ND | 5.0 | 10.0 | |
| 1,2-Dichloropropane | ND | 5.0 | 10.0 | |
| t-1,2-Dichloroethene | ND | 5.0 | 10.0 | |
| c-1,3-Dichloropropene | ND | 5.0 | 10.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 10.0 | |
| 1,3-Dichloropropane | ND | 10 | 10.0 | |
| t-1,3-Dichloropropene | ND | 5.0 | 10.0 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 8 of 36 |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | ND | 5.0 | 10.0 | |
| 2,2-Dichloropropane | ND | 10 | 10.0 | |
| 2-Chlorotoluene | ND | 5.0 | 10.0 | |
| 4-Chlorotoluene | ND | 5.0 | 10.0 | |
| 4-Methyl-2-Pentanone | ND | 50 | 10.0 | |
| Acetone | ND | 100 | 10.0 | |
| Bromobenzene | ND | 5.0 | 10.0 | |
| Bromochloromethane | ND | 10 | 10.0 | |
| Bromoform | ND | 5.0 | 10.0 | |
| Bromomethane | ND | 10 | 10.0 | |
| Carbon Disulfide | ND | 10 | 10.0 | |
| Carbon Tetrachloride | ND | 5.0 | 10.0 | |
| Chlorobenzene | ND | 5.0 | 10.0 | |
| Dibromochloromethane | ND | 5.0 | 10.0 | |
| Chloroethane | ND | 5.0 | 10.0 | |
| Chloroform | ND | 5.0 | 10.0 | |
| Chloromethane | ND | 5.0 | 10.0 | |
| Dibromomethane | ND | 5.0 | 10.0 | |
| Bromodichloromethane | ND | 5.0 | 10.0 | |
| Dichlorodifluoromethane | ND | 10 | 10.0 | |
| Hexachloro-1,3-Butadiene | ND | 20 | 10.0 | |
| Isopropylbenzene | 83 | 5.0 | 10.0 | |
| 2-Butanone | ND | 50 | 10.0 | |
| Methylene Chloride | ND | 10 | 10.0 | |
| 2-Hexanone | ND | 100 | 10.0 | |
| Naphthalene | 98 | 10 | 10.0 | |
| n-Butylbenzene | 22 | 5.0 | 10.0 | |
| n-Propylbenzene | 130 | 5.0 | 10.0 | |
| p-Isopropyltoluene | 14 | 5.0 | 10.0 | |
| sec-Butylbenzene | 15 | 5.0 | 10.0 | |
| Styrene | ND | 5.0 | 10.0 | |
| tert-Butylbenzene | 10 | 5.0 | 10.0 | |
| Tetrachloroethene | ND | 5.0 | 10.0 | |
| Trichloroethene | ND | 5.0 | 10.0 | |
| Trichlorofluoromethane | ND | 5.0 | 10.0 | |
| Vinyl Chloride | ND | 5.0 | 10.0 | |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| | | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | | Page 9 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 108 | 80-127 | |
| 1,2-Dichloroethane-d4 | 110 | 80-128 | |
| Toluene-d8 | 104 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-5-A** | **10/26/17 14:40** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 06:38** | **171104L021** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| Benzene | 7.6 | 0.50 | 1.00 | |
| Toluene | 1.1 | 0.50 | 1.00 | |
| Ethylbenzene | 0.73 | 0.50 | 1.00 | |
| o-Xylene | ND | 0.50 | 1.00 | |
| p/m-Xylene | 0.59 | 0.50 | 1.00 | |
| Xylenes (total) | 0.59 | 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 | 0.55 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 11 of 36 |

| 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 | 1.3 | 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 | 1.2 | 0.50 | 1.00 | |
| p-Isopropyltoluene | ND | 0.50 | 1.00 | |
| sec-Butylbenzene | 1.2 | 0.50 | 1.00 | |
| Styrene | ND | 0.50 | 1.00 | |
| tert-Butylbenzene | 0.94 | 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 | 95 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 12 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 97 | 80-127 | |
| 1,2-Dichloroethane-d4 | 99 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-6-B** | **10/26/17 15:40** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 18:51** | **171107L044** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| Benzene | 350 | 5.0 | 10.0 | |
| Toluene | 20 | 5.0 | 10.0 | |
| Ethylbenzene | 210 | 5.0 | 10.0 | |
| o-Xylene | 12 | 5.0 | 10.0 | |
| p/m-Xylene | 30 | 5.0 | 10.0 | |
| Xylenes (total) | 42 | 5.0 | 1.00 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 5.0 | 10.0 | |
| Tert-Butyl Alcohol (TBA) | ND | 50 | 10.0 | |
| Diisopropyl Ether (DIPE) | ND | 5.0 | 10.0 | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 5.0 | 10.0 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 5.0 | 10.0 | |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 | 10.0 | |
| 1,1,1-Trichloroethane | ND | 5.0 | 10.0 | |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 | 10.0 | |
| 1,1,2-Trichloroethane | ND | 5.0 | 10.0 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 5.0 | 10.0 | |
| 1,1-Dichloroethane | ND | 5.0 | 10.0 | |
| 1,1-Dichloroethene | ND | 5.0 | 10.0 | |
| 1,1-Dichloropropene | ND | 5.0 | 10.0 | |
| 1,2,3-Trichlorobenzene | ND | 5.0 | 10.0 | |
| 1,2,3-Trichloropropane | ND | 10 | 10.0 | |
| 1,2,4-Trichlorobenzene | ND | 5.0 | 10.0 | |
| 1,2,4-Trimethylbenzene | 43 | 5.0 | 10.0 | |
| 1,3,5-Trimethylbenzene | 86 | 5.0 | 10.0 | |
| c-1,2-Dichloroethene | ND | 5.0 | 10.0 | |
| 1,2-Dibromo-3-Chloropropane | ND | 50 | 10.0 | |
| 1,2-Dibromoethane | ND | 5.0 | 10.0 | |
| 1,2-Dichlorobenzene | ND | 5.0 | 10.0 | |
| 1,2-Dichloroethane | ND | 5.0 | 10.0 | |
| 1,2-Dichloropropane | ND | 5.0 | 10.0 | |
| t-1,2-Dichloroethene | ND | 5.0 | 10.0 | |
| c-1,3-Dichloropropene | ND | 5.0 | 10.0 | |
| 1,3-Dichlorobenzene | ND | 5.0 | 10.0 | |
| 1,3-Dichloropropane | ND | 10 | 10.0 | |
| t-1,3-Dichloropropene | ND | 5.0 | 10.0 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 14 of 36 |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| 1,4-Dichlorobenzene | ND | 5.0 | 10.0 | |
| 2,2-Dichloropropane | ND | 10 | 10.0 | |
| 2-Chlorotoluene | ND | 5.0 | 10.0 | |
| 4-Chlorotoluene | ND | 5.0 | 10.0 | |
| 4-Methyl-2-Pentanone | ND | 50 | 10.0 | |
| Acetone | ND | 100 | 10.0 | |
| Bromobenzene | ND | 5.0 | 10.0 | |
| Bromochloromethane | ND | 10 | 10.0 | |
| Bromoform | ND | 5.0 | 10.0 | |
| Bromomethane | ND | 10 | 10.0 | |
| Carbon Disulfide | ND | 10 | 10.0 | |
| Carbon Tetrachloride | ND | 5.0 | 10.0 | |
| Chlorobenzene | ND | 5.0 | 10.0 | |
| Dibromochloromethane | ND | 5.0 | 10.0 | |
| Chloroethane | ND | 5.0 | 10.0 | |
| Chloroform | ND | 5.0 | 10.0 | |
| Chloromethane | ND | 5.0 | 10.0 | |
| Dibromomethane | ND | 5.0 | 10.0 | |
| Bromodichloromethane | ND | 5.0 | 10.0 | |
| Dichlorodifluoromethane | ND | 10 | 10.0 | |
| Hexachloro-1,3-Butadiene | ND | 20 | 10.0 | |
| Isopropylbenzene | 73 | 5.0 | 10.0 | |
| 2-Butanone | ND | 50 | 10.0 | |
| Methylene Chloride | ND | 10 | 10.0 | |
| 2-Hexanone | ND | 100 | 10.0 | |
| Naphthalene | 220 | 10 | 10.0 | |
| n-Butylbenzene | 72 | 5.0 | 10.0 | |
| n-Propylbenzene | 200 | 5.0 | 10.0 | |
| p-Isopropyltoluene | 7.0 | 5.0 | 10.0 | |
| sec-Butylbenzene | 23 | 5.0 | 10.0 | |
| Styrene | ND | 5.0 | 10.0 | |
| tert-Butylbenzene | 8.6 | 5.0 | 10.0 | |
| Tetrachloroethene | ND | 5.0 | 10.0 | |
| Trichloroethene | ND | 5.0 | 10.0 | |
| Trichlorofluoromethane | ND | 5.0 | 10.0 | |
| Vinyl Chloride | ND | 5.0 | 10.0 | |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 15 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 106 | 80-127 | |
| 1,2-Dichloroethane-d4 | 112 | 80-128 | |
| Toluene-d8 | 107 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-7-A** | **10/26/17 14:55** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 07:37** | **171104L021** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| Benzene | 160 | 4.0 | 8.00 | |
| Toluene | ND | 4.0 | 8.00 | |
| Ethylbenzene | 55 | 4.0 | 8.00 | |
| o-Xylene | ND | 4.0 | 8.00 | |
| p/m-Xylene | ND | 4.0 | 8.00 | |
| Xylenes (total) | ND | 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) | ND | 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 | 63 | 4.0 | 8.00 | |
| 1,3,5-Trimethylbenzene | 17 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 17 of 36 |

| 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 | 61 | 4.0 | 8.00 | |
| 2-Butanone | ND | 40 | 8.00 | |
| Methylene Chloride | ND | 8.0 | 8.00 | |
| 2-Hexanone | ND | 80 | 8.00 | |
| Naphthalene | 41 | 8.0 | 8.00 | |
| n-Butylbenzene | 63 | 4.0 | 8.00 | |
| n-Propylbenzene | 200 | 4.0 | 8.00 | |
| p-Isopropyltoluene | 6.4 | 4.0 | 8.00 | |
| sec-Butylbenzene | 32 | 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 | 95 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 18 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 96 | 80-127 | |
| 1,2-Dichloroethane-d4 | 97 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-8-B** | **10/26/17 14:20** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 19:21** | **171107L044** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| Benzene | 0.98 | 0.50 | 1.00 | |
| Toluene | ND | 0.50 | 1.00 | |
| Ethylbenzene | 1.5 | 0.50 | 1.00 | |
| o-Xylene | ND | 0.50 | 1.00 | |
| p/m-Xylene | 1.0 | 0.50 | 1.00 | |
| Xylenes (total) | 1.0 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 20 of 36 |

| 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 | 6.7 | 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 | 4.8 | 1.0 | 1.00 | |
| n-Butylbenzene | 3.7 | 0.50 | 1.00 | |
| n-Propylbenzene | 18 | 0.50 | 1.00 | |
| p-Isopropyltoluene | ND | 0.50 | 1.00 | |
| sec-Butylbenzene | 2.6 | 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 | 96 | 68-120 | |

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

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## Analytical Report

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| | | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | | Page 21 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 88 | 80-127 | |
| 1,2-Dichloroethane-d4 | 91 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-9-B** | **10/26/17 15:50** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 19:51** | **171107L044** |

| Parameter | Result | RL | DF | Qualifiers |
|---|---|---|---|---|
| Benzene | 150 | 4.0 | 8.00 | |
| Toluene | 8.8 | 4.0 | 8.00 | |
| Ethylbenzene | 9.4 | 4.0 | 8.00 | |
| o-Xylene | ND | 4.0 | 8.00 | |
| p/m-Xylene | 11 | 4.0 | 8.00 | |
| Xylenes (total) | 11 | 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 | 4.1 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 23 of 36 |

| 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 | 72 | 4.0 | 8.00 | |
| 2-Butanone | ND | 40 | 8.00 | |
| Methylene Chloride | ND | 8.0 | 8.00 | |
| 2-Hexanone | ND | 80 | 8.00 | |
| Naphthalene | 69 | 8.0 | 8.00 | |
| n-Butylbenzene | 48 | 4.0 | 8.00 | |
| n-Propylbenzene | 200 | 4.0 | 8.00 | |
| p-Isopropyltoluene | ND | 4.0 | 8.00 | |
| sec-Butylbenzene | 23 | 4.0 | 8.00 | |
| Styrene | ND | 4.0 | 8.00 | |
| tert-Butylbenzene | 4.6 | 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 | 97 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 24 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 104 | 80-127 | |
| 1,2-Dichloroethane-d4 | 117 | 80-128 | |
| Toluene-d8 | 115 | 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: 10/28/17
Work Order: 17-10-2182
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** | **17-10-2182-10-A** | **10/26/17 15:25** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 09:06** | **171104L021** |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 26 of 36 |

| 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 | 2.3 | 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 | 94 | 68-120 | |

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

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## Analytical Report

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| | | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | | Page 27 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 97 | 80-127 | |
| 1,2-Dichloroethane-d4 | 97 | 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: 10/28/17
Work Order: 17-10-2182
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** | **099-12-880-1562** | **N/A** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 01:41** | **171104L021** |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 29 of 36 |

| 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 | 90 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 30 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 103 | 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: 10/28/17
Work Order: 17-10-2182
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** | **099-12-880-1563** | **N/A** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 10:20** | **171107L044** |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 32 of 36 |

| 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 | 91 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 33 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 91 | 80-127 | |
| 1,2-Dichloroethane-d4 | 87 | 80-128 | |
| Toluene-d8 | 97 | 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: 10/28/17
Work Order: 17-10-2182
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** | **099-12-880-1564** | **N/A** | **Aqueous** | **GC/MS UU** | **11/08/17** | **11/08/17 20:33** | **171108L051** |

| 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: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 35 of 36 |

| 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 | 98 | 68-120 | |

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

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# Analytical Report

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| | Units: | ug/L |
| Project: ExxonMobil 79374/022735C | | Page 36 of 36 |

| Surrogate | Rec. (%) | Control Limits | Qualifiers |
|---|---|---|---|
| Dibromofluoromethane | 105 | 80-127 | |
| 1,2-Dichloroethane-d4 | 105 | 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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# Quality Control - Spike/Spike Duplicate

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 1 of 7 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|---|
| **MW2** | **Sample** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 12:11** | **171101S043** |
| **MW2** | **Matrix Spike** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 12:44** | **171101S043** |
| **MW2** | **Matrix Spike Duplicate** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 13:17** | **171101S043** |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH as Gasoline | ND | 2000 | 2216 | 111 | 2272 | 114 | 68-122 | 2 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 2 of 7 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|---|
| **17-10-2096-6** | **Sample** | **Aqueous** | **GC 22** | **11/02/17** | **11/02/17 12:22** | **171102S038** |
| **17-10-2096-6** | **Matrix Spike** | **Aqueous** | **GC 22** | **11/02/17** | **11/02/17 12:55** | **171102S038** |
| **17-10-2096-6** | **Matrix Spike Duplicate** | **Aqueous** | **GC 22** | **11/02/17** | **11/02/17 13:28** | **171102S038** |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH as Gasoline | ND | 2000 | 2136 | 107 | 2108 | 105 | 68-122 | 1 | 0-18 | |

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RPD: Relative Percent Difference. CL: Control Limits

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# Quality Control - Spike/Spike Duplicate

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 3 of 7 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|---|
| **17-11-0144-1** | **Sample** | **Aqueous** | **GC 22** | **11/07/17** | **11/07/17 20:17** | **171107S029** |
| **17-11-0144-1** | **Matrix Spike** | **Aqueous** | **GC 22** | **11/07/17** | **11/07/17 20:50** | **171107S029** |
| **17-11-0144-1** | **Matrix Spike Duplicate** | **Aqueous** | **GC 22** | **11/07/17** | **11/07/17 21:24** | **171107S029** |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| TPH as Gasoline | ND | 2000 | 2030 | 102 | 1990 | 99 | 68-122 | 2 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | | Page 4 of 7 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|---|
| **17-11-0168-7** | **Sample** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 02:11** | **171104S010** |
| **17-11-0168-7** | **Matrix Spike** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 01:12** | **171104S010** |
| **17-11-0168-7** | **Matrix Spike Duplicate** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 01:42** | **171104S010** |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 10.00 | 9.336 | 93 | 9.473 | 95 | 75-125 | 1 | 0-20 | |
| Toluene | ND | 10.00 | 9.312 | 93 | 9.354 | 94 | 75-125 | 0 | 0-20 | |
| Ethylbenzene | ND | 10.00 | 9.264 | 93 | 9.437 | 94 | 75-125 | 2 | 0-20 | |
| o-Xylene | ND | 10.00 | 9.277 | 93 | 9.374 | 94 | 75-127 | 1 | 0-20 | |
| p/m-Xylene | ND | 20.00 | 18.24 | 91 | 18.64 | 93 | 75-125 | 2 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 10.00 | 8.946 | 89 | 8.770 | 88 | 71-131 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | ND | 50.00 | 77.79 | 156 | 61.74 | 123 | 20-180 | 23 | 0-40 | |
| Diisopropyl Ether (DIPE) | ND | 10.00 | 9.394 | 94 | 9.411 | 94 | 64-136 | 0 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 10.00 | 8.635 | 86 | 8.594 | 86 | 73-133 | 0 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 10.00 | 8.366 | 84 | 8.416 | 84 | 75-125 | 1 | 0-20 | |
| 1,1-Dichloroethene | ND | 10.00 | 9.412 | 94 | 9.447 | 94 | 66-126 | 0 | 0-20 | |
| 1,2-Dibromoethane | ND | 10.00 | 9.542 | 95 | 9.660 | 97 | 75-126 | 1 | 0-20 | |
| 1,2-Dichlorobenzene | ND | 10.00 | 9.433 | 94 | 9.578 | 96 | 75-125 | 2 | 0-20 | |
| 1,2-Dichloroethane | ND | 10.00 | 9.208 | 92 | 9.236 | 92 | 75-127 | 0 | 0-20 | |
| Carbon Tetrachloride | ND | 10.00 | 9.770 | 98 | 10.03 | 100 | 69-135 | 3 | 0-20 | |
| Chlorobenzene | ND | 10.00 | 9.423 | 94 | 9.426 | 94 | 75-125 | 0 | 0-20 | |
| Trichloroethene | ND | 10.00 | 9.553 | 96 | 9.632 | 96 | 75-125 | 1 | 0-20 | |
| Vinyl Chloride | ND | 10.00 | 10.50 | 105 | 10.21 | 102 | 52-142 | 3 | 0-20 | |

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# Quality Control - Spike/Spike Duplicate

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | | Page 5 of 7 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|---|
| **17-11-0180-2** | **Sample** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 10:53** | **171107S004** |
| **17-11-0180-2** | **Matrix Spike** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 11:23** | **171107S004** |
| **17-11-0180-2** | **Matrix Spike Duplicate** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 11:53** | **171107S004** |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 10.00 | 8.290 | 83 | 8.384 | 84 | 75-125 | 1 | 0-20 | |
| Toluene | ND | 10.00 | 8.734 | 87 | 8.989 | 90 | 75-125 | 3 | 0-20 | |
| Ethylbenzene | ND | 10.00 | 8.656 | 87 | 8.703 | 87 | 75-125 | 1 | 0-20 | |
| o-Xylene | ND | 10.00 | 8.808 | 88 | 8.872 | 89 | 75-127 | 1 | 0-20 | |
| p/m-Xylene | ND | 20.00 | 17.27 | 86 | 17.39 | 87 | 75-125 | 1 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 10.00 | 8.671 | 87 | 8.884 | 89 | 71-131 | 2 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | ND | 50.00 | 48.57 | 97 | 52.44 | 105 | 20-180 | 8 | 0-40 | |
| Diisopropyl Ether (DIPE) | ND | 10.00 | 7.594 | 76 | 7.718 | 77 | 64-136 | 2 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 10.00 | 8.283 | 83 | 8.362 | 84 | 73-133 | 1 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 10.00 | 9.147 | 91 | 9.205 | 92 | 75-125 | 1 | 0-20 | |
| 1,1,1,2-Tetrachloroethane | ND | 10.00 | 10.29 | 103 | 10.35 | 103 | 75-127 | 1 | 0-20 | |
| 1,1,1-Trichloroethane | ND | 10.00 | 8.031 | 80 | 8.288 | 83 | 72-132 | 3 | 0-20 | |
| 1,1,2,2-Tetrachloroethane | ND | 10.00 | 9.756 | 98 | 9.861 | 99 | 75-132 | 1 | 0-20 | |
| 1,1,2-Trichloroethane | ND | 10.00 | 8.969 | 90 | 8.951 | 90 | 75-125 | 0 | 0-20 | |
| 1,1,2-Trichloro-1,2,2-Trifluoroethane | ND | 10.00 | 7.340 | 73 | 7.116 | 71 | 70-130 | 3 | 0-20 | |
| 1,1-Dichloroethane | ND | 10.00 | 7.605 | 76 | 7.757 | 78 | 68-128 | 2 | 0-20 | |
| 1,1-Dichloroethene | ND | 10.00 | 6.443 | 64 | 6.896 | 69 | 66-126 | 7 | 0-20 | HX |
| 1,1-Dichloropropene | ND | 10.00 | 7.581 | 76 | 7.732 | 77 | 74-134 | 2 | 0-20 | |
| 1,2,3-Trichlorobenzene | ND | 10.00 | 10.32 | 103 | 10.76 | 108 | 75-125 | 4 | 0-20 | |
| 1,2,3-Trichloropropane | ND | 10.00 | 8.829 | 88 | 8.608 | 86 | 75-125 | 3 | 0-20 | |
| 1,2,4-Trichlorobenzene | ND | 10.00 | 10.42 | 104 | 10.59 | 106 | 75-125 | 2 | 0-20 | |
| 1,2,4-Trimethylbenzene | ND | 10.00 | 8.727 | 87 | 8.904 | 89 | 75-125 | 2 | 0-20 | |
| 1,3,5-Trimethylbenzene | ND | 10.00 | 9.054 | 91 | 9.272 | 93 | 75-127 | 2 | 0-20 | |
| c-1,2-Dichloroethene | ND | 10.00 | 8.295 | 83 | 8.449 | 84 | 75-130 | 2 | 0-20 | |
| 1,2-Dibromo-3-Chloropropane | ND | 10.00 | 9.560 | 96 | 9.947 | 99 | 75-127 | 4 | 0-20 | |
| 1,2-Dibromoethane | ND | 10.00 | 10.01 | 100 | 10.01 | 100 | 75-126 | 0 | 0-20 | |
| 1,2-Dichlorobenzene | ND | 10.00 | 9.728 | 97 | 9.797 | 98 | 75-125 | 1 | 0-20 | |
| 1,2-Dichloroethane | ND | 10.00 | 8.875 | 89 | 8.928 | 89 | 75-127 | 1 | 0-20 | |
| 1,2-Dichloropropane | ND | 10.00 | 8.182 | 82 | 8.385 | 84 | 75-125 | 2 | 0-20 | |
| t-1,2-Dichloroethene | ND | 10.00 | 7.824 | 78 | 8.166 | 82 | 73-133 | 4 | 0-20 | |
| c-1,3-Dichloropropene | ND | 10.00 | 9.124 | 91 | 9.106 | 91 | 75-128 | 0 | 0-20 | |
| 1,3-Dichlorobenzene | ND | 10.00 | 9.451 | 95 | 9.507 | 95 | 75-126 | 1 | 0-20 | |
| 1,3-Dichloropropane | ND | 10.00 | 8.968 | 90 | 9.027 | 90 | 75-125 | 1 | 0-20 | |
| t-1,3-Dichloropropene | ND | 10.00 | 9.325 | 93 | 9.159 | 92 | 75-125 | 2 | 0-20 | |
| 1,4-Dichlorobenzene | ND | 10.00 | 9.174 | 92 | 9.319 | 93 | 75-125 | 2 | 0-20 | |

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# Quality Control - Spike/Spike Duplicate

| | | |
|---|---|---|
| Cardno | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | Preparation: | EPA 5030C |
| | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | Page 6 of 7 |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| 2,2-Dichloropropane | ND | 10.00 | 8.578 | 86 | 8.749 | 87 | 52-160 | 2 | 0-20 | |
| 2-Chlorotoluene | ND | 10.00 | 8.603 | 86 | 8.660 | 87 | 75-128 | 1 | 0-20 | |
| 4-Chlorotoluene | ND | 10.00 | 8.524 | 85 | 8.642 | 86 | 75-125 | 1 | 0-20 | |
| 4-Methyl-2-Pentanone | ND | 10.00 | 9.152 | 92 | 9.157 | 92 | 65-137 | 0 | 0-20 | |
| Acetone | ND | 10.00 | 6.961 | 70 | 7.081 | 71 | 20-180 | 2 | 0-52 | |
| Bromobenzene | ND | 10.00 | 10.22 | 102 | 10.09 | 101 | 75-125 | 1 | 0-20 | |
| Bromochloromethane | ND | 10.00 | 9.620 | 96 | 9.474 | 95 | 75-128 | 2 | 0-20 | |
| Bromoform | ND | 10.00 | 9.799 | 98 | 9.890 | 99 | 71-137 | 1 | 0-20 | |
| Bromomethane | ND | 10.00 | 2.560 | 26 | 1.863 | 19 | 37-181 | 32 | 0-22 | HX,BA |
| Carbon Disulfide | ND | 10.00 | 7.855 | 79 | 8.233 | 82 | 58-136 | 5 | 0-20 | |
| Carbon Tetrachloride | ND | 10.00 | 8.198 | 82 | 8.424 | 84 | 69-135 | 3 | 0-20 | |
| Chlorobenzene | ND | 10.00 | 9.008 | 90 | 9.040 | 90 | 75-125 | 0 | 0-20 | |
| Dibromochloromethane | ND | 10.00 | 9.898 | 99 | 10.14 | 101 | 75-125 | 2 | 0-20 | |
| Chloroethane | ND | 10.00 | 8.010 | 80 | 7.620 | 76 | 20-180 | 5 | 0-20 | |
| Chloroform | ND | 10.00 | 8.291 | 83 | 8.368 | 84 | 75-128 | 1 | 0-20 | |
| Chloromethane | ND | 10.00 | 6.600 | 66 | 6.261 | 63 | 41-149 | 5 | 0-20 | |
| Dibromomethane | ND | 10.00 | 9.452 | 95 | 9.309 | 93 | 75-129 | 2 | 0-20 | |
| Bromodichloromethane | ND | 10.00 | 9.409 | 94 | 9.400 | 94 | 75-125 | 0 | 0-20 | |
| Dichlorodifluoromethane | ND | 10.00 | 13.80 | 138 | 11.01 | 110 | 28-172 | 23 | 0-20 | BA |
| Hexachloro-1,3-Butadiene | ND | 10.00 | 10.69 | 107 | 11.03 | 110 | 75-129 | 3 | 0-20 | |
| Isopropylbenzene | ND | 10.00 | 8.818 | 88 | 9.102 | 91 | 75-130 | 3 | 0-20 | |
| 2-Butanone | ND | 10.00 | 7.314 | 73 | 7.672 | 77 | 20-180 | 5 | 0-40 | |
| Methylene Chloride | ND | 10.00 | 8.166 | 82 | 8.189 | 82 | 74-128 | 0 | 0-20 | |
| 2-Hexanone | ND | 10.00 | 7.630 | 76 | 7.858 | 79 | 74-122 | 3 | 0-20 | |
| Naphthalene | ND | 10.00 | 10.47 | 105 | 10.89 | 109 | 75-136 | 4 | 0-20 | |
| n-Butylbenzene | ND | 10.00 | 8.446 | 84 | 8.814 | 88 | 75-125 | 4 | 0-20 | |
| n-Propylbenzene | ND | 10.00 | 8.620 | 86 | 8.928 | 89 | 75-129 | 4 | 0-20 | |
| p-Isopropyltoluene | ND | 10.00 | 8.792 | 88 | 9.057 | 91 | 75-125 | 3 | 0-20 | |
| sec-Butylbenzene | ND | 10.00 | 8.376 | 84 | 8.722 | 87 | 75-129 | 4 | 0-20 | |
| Styrene | ND | 10.00 | 8.611 | 86 | 9.157 | 92 | 28-166 | 6 | 0-30 | |
| tert-Butylbenzene | ND | 10.00 | 8.989 | 90 | 9.245 | 92 | 75-129 | 3 | 0-20 | |
| Tetrachloroethene | ND | 10.00 | 6.518 | 65 | 6.713 | 67 | 58-124 | 3 | 0-20 | |
| Trichloroethene | ND | 10.00 | 8.328 | 83 | 8.589 | 86 | 75-125 | 3 | 0-20 | |
| Trichlorofluoromethane | ND | 10.00 | 7.895 | 79 | 6.994 | 70 | 68-134 | 12 | 0-20 | |
| Vinyl Chloride | ND | 10.00 | 7.911 | 79 | 7.726 | 77 | 52-142 | 2 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | | Page 7 of 7 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | MS/MSD Batch Number |
|---|---|---|---|---|---|---|
| **17-11-0195-2** | **Sample** | **Aqueous** | **GC/MS UU** | **11/08/17** | **11/08/17 21:03** | **171108S019** |
| **17-11-0195-2** | **Matrix Spike** | **Aqueous** | **GC/MS UU** | **11/08/17** | **11/08/17 19:04** | **171108S019** |
| **17-11-0195-2** | **Matrix Spike Duplicate** | **Aqueous** | **GC/MS UU** | **11/08/17** | **11/08/17 19:34** | **171108S019** |

| Parameter | Sample Conc. | Spike Added | MS Conc. | MS %Rec. | MSD Conc. | MSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ND | 10.00 | 9.969 | 100 | 9.848 | 98 | 75-125 | 1 | 0-20 | |
| Toluene | ND | 10.00 | 9.875 | 99 | 9.995 | 100 | 75-125 | 1 | 0-20 | |
| Ethylbenzene | ND | 10.00 | 9.724 | 97 | 9.830 | 98 | 75-125 | 1 | 0-20 | |
| o-Xylene | ND | 10.00 | 9.758 | 98 | 9.722 | 97 | 75-127 | 0 | 0-20 | |
| p/m-Xylene | ND | 20.00 | 19.40 | 97 | 19.27 | 96 | 75-125 | 1 | 0-20 | |
| Methyl-t-Butyl Ether (MTBE) | ND | 10.00 | 10.54 | 105 | 10.68 | 107 | 71-131 | 1 | 0-20 | |
| Tert-Butyl Alcohol (TBA) | ND | 50.00 | 64.68 | 129 | 62.85 | 126 | 20-180 | 3 | 0-40 | |
| Diisopropyl Ether (DIPE) | ND | 10.00 | 10.43 | 104 | 10.64 | 106 | 64-136 | 2 | 0-20 | |
| Ethyl-t-Butyl Ether (ETBE) | ND | 10.00 | 10.29 | 103 | 10.54 | 105 | 73-133 | 2 | 0-20 | |
| Tert-Amyl-Methyl Ether (TAME) | ND | 10.00 | 10.49 | 105 | 10.36 | 104 | 75-125 | 1 | 0-20 | |
| 1,1-Dichloroethene | ND | 10.00 | 9.255 | 93 | 9.612 | 96 | 66-126 | 4 | 0-20 | |
| 1,2-Dibromoethane | ND | 10.00 | 10.68 | 107 | 10.56 | 106 | 75-126 | 1 | 0-20 | |
| 1,2-Dichlorobenzene | ND | 10.00 | 9.972 | 100 | 10.20 | 102 | 75-125 | 2 | 0-20 | |
| 1,2-Dichloroethane | ND | 10.00 | 10.26 | 103 | 9.826 | 98 | 75-127 | 4 | 0-20 | |
| Carbon Tetrachloride | ND | 10.00 | 9.547 | 95 | 9.862 | 99 | 69-135 | 3 | 0-20 | |
| Chlorobenzene | ND | 10.00 | 9.834 | 98 | 9.729 | 97 | 75-125 | 1 | 0-20 | |
| Trichloroethene | ND | 10.00 | 9.834 | 98 | 9.646 | 96 | 75-125 | 2 | 0-20 | |
| Vinyl Chloride | ND | 10.00 | 11.53 | 115 | 11.21 | 112 | 52-142 | 3 | 0-20 | |

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# Quality Control - LCS/LCSD

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 3510C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 1 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|---|
| **099-15-278-1484** | **LCS** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 16:39** | **171102B02S** |
| **099-15-278-1484** | **LCSD** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 17:01** | **171102B02S** |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|
| TPH as Motor Oil | 2000 | 2447 | 122 | 2361 | 118 | 75-117 | 4 | 0-13 | LQ,IL |

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RPD: Relative Percent Difference. CL: Control Limits

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# Quality Control - LCS/LCSD

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 3510C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 2 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS/LCSD Batch Number |
|---|---|---|---|---|---|---|
| **099-15-304-1883** | **LCS** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 15:56** | **171102B01S** |
| **099-15-304-1883** | **LCSD** | **Aqueous** | **GC 45** | **11/02/17** | **11/07/17 16:18** | **171102B01S** |

| Parameter | Spike Added | LCS Conc. | LCS %Rec. | LCSD Conc. | LCSD %Rec. | %Rec. CL | RPD | RPD CL | Qualifiers |
|---|---|---|---|---|---|---|---|---|---|
| TPH as Diesel | 2000 | 2247 | 112 | 1885 | 94 | 69-123 | 17 | 0-30 | |

RPD: Relative Percent Difference. CL: Control Limits



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# Quality Control - LCS

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 3 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---|---|---|---|---|---|---|
| **099-12-436-11729** | **LCS** | **Aqueous** | **GC 22** | **11/01/17** | **11/01/17 11:05** | **171101L079** |

| Parameter | Spike Added | Conc. Recovered | LCS %Rec. | %Rec. CL | Qualifiers |
|---|---|---|---|---|---|
| TPH as Gasoline | 2000 | 2331 | 117 | 78-120 | |

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# Quality Control - LCS

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 4 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---|---|---|---|---|---|---|
| **099-12-436-11730** | **LCS** | **Aqueous** | **GC 22** | **11/02/17** | **11/02/17 11:16** | **171102L063** |

| Parameter | Spike Added | Conc. Recovered | LCS %Rec. | %Rec. CL | Qualifiers |
|---|---|---|---|---|---|
| TPH as Gasoline | 2000 | 2148 | 107 | 78-120 | |

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# Quality Control - LCS

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8015B (M) |
| Project: ExxonMobil 79374/022735C | | | Page 5 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---|---|---|---|---|---|---|
| **099-12-436-11741** | **LCS** | **Aqueous** | **GC 22** | **11/07/17** | **11/07/17 19:05** | **171107L061** |

| Parameter | Spike Added | Conc. Recovered | LCS %Rec. | %Rec. CL | Qualifiers |
|---|---|---|---|---|---|
| TPH as Gasoline | 2000 | 2017 | 101 | 78-120 | |

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# Quality Control - LCS

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | | Page 6 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---|---|---|---|---|---|---|
| **099-12-880-1562** | **LCS** | **Aqueous** | **GC/MS L** | **11/04/17** | **11/05/17 00:43** | **171104L021** |

| Parameter | Spike Added | Conc. Recovered | LCS %Rec. | %Rec. CL | ME CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 10.00 | 9.832 | 98 | 80-120 | 73-127 | |
| Toluene | 10.00 | 9.802 | 98 | 80-120 | 73-127 | |
| Ethylbenzene | 10.00 | 9.868 | 99 | 80-120 | 73-127 | |
| o-Xylene | 10.00 | 9.671 | 97 | 80-120 | 73-127 | |
| p/m-Xylene | 20.00 | 19.75 | 99 | 80-120 | 73-127 | |
| Methyl-t-Butyl Ether (MTBE) | 10.00 | 8.722 | 87 | 75-123 | 67-131 | |
| Tert-Butyl Alcohol (TBA) | 50.00 | 52.01 | 104 | 80-120 | 73-127 | |
| Diisopropyl Ether (DIPE) | 10.00 | 9.520 | 95 | 73-121 | 65-129 | |
| Ethyl-t-Butyl Ether (ETBE) | 10.00 | 8.670 | 87 | 76-124 | 68-132 | |
| Tert-Amyl-Methyl Ether (TAME) | 10.00 | 8.504 | 85 | 80-120 | 73-127 | |
| 1,1-Dichloroethene | 10.00 | 10.03 | 100 | 77-120 | 70-127 | |
| 1,2-Dibromoethane | 10.00 | 9.729 | 97 | 80-120 | 73-127 | |
| 1,2-Dichlorobenzene | 10.00 | 9.705 | 97 | 80-120 | 73-127 | |
| 1,2-Dichloroethane | 10.00 | 9.450 | 95 | 80-122 | 73-129 | |
| Carbon Tetrachloride | 10.00 | 9.968 | 100 | 80-129 | 72-137 | |
| Chlorobenzene | 10.00 | 9.597 | 96 | 80-120 | 73-127 | |
| Trichloroethene | 10.00 | 10.21 | 102 | 80-120 | 73-127 | |
| Vinyl Chloride | 10.00 | 10.03 | 100 | 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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# Quality Control - LCS

| | | | |
|---|---|---|---|
| Cardno | | Date Received: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | | Page 7 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---|---|---|---|---|---|---|
| **099-12-880-1563** | **LCS** | **Aqueous** | **GC/MS UU** | **11/07/17** | **11/07/17 09:50** | **171107L044** |

| Parameter | Spike Added | Conc. Recovered | LCS %Rec. | %Rec. CL | ME CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 10.00 | 9.781 | 98 | 80-120 | 73-127 | |
| Toluene | 10.00 | 10.51 | 105 | 80-120 | 73-127 | |
| Ethylbenzene | 10.00 | 10.41 | 104 | 80-120 | 73-127 | |
| o-Xylene | 10.00 | 10.27 | 103 | 80-120 | 73-127 | |
| p/m-Xylene | 20.00 | 20.85 | 104 | 80-120 | 73-127 | |
| Methyl-t-Butyl Ether (MTBE) | 10.00 | 9.899 | 99 | 75-123 | 67-131 | |
| Tert-Butyl Alcohol (TBA) | 50.00 | 56.08 | 112 | 80-120 | 73-127 | |
| Diisopropyl Ether (DIPE) | 10.00 | 11.08 | 111 | 73-121 | 65-129 | |
| Ethyl-t-Butyl Ether (ETBE) | 10.00 | 9.145 | 91 | 76-124 | 68-132 | |
| Tert-Amyl-Methyl Ether (TAME) | 10.00 | 9.902 | 99 | 80-120 | 73-127 | |
| 1,1-Dichloroethene | 10.00 | 7.991 | 80 | 77-120 | 70-127 | |
| 1,2-Dibromoethane | 10.00 | 10.75 | 107 | 80-120 | 73-127 | |
| 1,2-Dichlorobenzene | 10.00 | 10.63 | 106 | 80-120 | 73-127 | |
| 1,2-Dichloroethane | 10.00 | 9.682 | 97 | 80-122 | 73-129 | |
| Carbon Tetrachloride | 10.00 | 10.43 | 104 | 80-129 | 72-137 | |
| Chlorobenzene | 10.00 | 10.42 | 104 | 80-120 | 73-127 | |
| Trichloroethene | 10.00 | 10.44 | 104 | 80-120 | 73-127 | |
| Vinyl Chloride | 10.00 | 7.928 | 79 | 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: | 10/28/17 |
| 601 North McDowell Blvd. | | Work Order: | 17-10-2182 |
| Petaluma, CA 94954-2312 | | Preparation: | EPA 5030C |
| | | Method: | EPA 8260B |
| Project: ExxonMobil 79374/022735C | | | Page 8 of 8 |

| Quality Control Sample ID | Type | Matrix | Instrument | Date Prepared | Date Analyzed | LCS Batch Number |
|---|---|---|---|---|---|---|
| **099-12-880-1564** | **LCS** | **Aqueous** | **GC/MS UU** | **11/08/17** | **11/08/17 18:34** | **171108L051** |

| Parameter | Spike Added | Conc. Recovered | LCS %Rec. | %Rec. CL | ME CL | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | 10.00 | 10.22 | 102 | 80-120 | 73-127 | |
| Toluene | 10.00 | 10.20 | 102 | 80-120 | 73-127 | |
| Ethylbenzene | 10.00 | 10.34 | 103 | 80-120 | 73-127 | |
| o-Xylene | 10.00 | 10.15 | 102 | 80-120 | 73-127 | |
| p/m-Xylene | 20.00 | 20.07 | 100 | 80-120 | 73-127 | |
| Methyl-t-Butyl Ether (MTBE) | 10.00 | 10.56 | 106 | 75-123 | 67-131 | |
| Tert-Butyl Alcohol (TBA) | 50.00 | 52.03 | 104 | 80-120 | 73-127 | |
| Diisopropyl Ether (DIPE) | 10.00 | 10.56 | 106 | 73-121 | 65-129 | |
| Ethyl-t-Butyl Ether (ETBE) | 10.00 | 10.37 | 104 | 76-124 | 68-132 | |
| Tert-Amyl-Methyl Ether (TAME) | 10.00 | 10.20 | 102 | 80-120 | 73-127 | |
| 1,1-Dichloroethene | 10.00 | 10.11 | 101 | 77-120 | 70-127 | |
| 1,2-Dibromoethane | 10.00 | 10.59 | 106 | 80-120 | 73-127 | |
| 1,2-Dichlorobenzene | 10.00 | 10.13 | 101 | 80-120 | 73-127 | |
| 1,2-Dichloroethane | 10.00 | 10.12 | 101 | 80-122 | 73-129 | |
| Carbon Tetrachloride | 10.00 | 10.48 | 105 | 80-129 | 72-137 | |
| Chlorobenzene | 10.00 | 10.19 | 102 | 80-120 | 73-127 | |
| Trichloroethene | 10.00 | 10.28 | 103 | 80-120 | 73-127 | |
| Vinyl Chloride | 10.00 | 10.73 | 107 | 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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# Sample Analysis Summary Report

Work Order: 17-10-2182 Page 1 of 1

| Method | Extraction | Chemist ID | Instrument | Analytical Location |
|---|---|---|---|---|
| EPA 8015B (M) | EPA 3510C | 682 | GC 45 | 1 |
| EPA 8015B (M) | EPA 5030C | 1101 | GC 22 | 2 |
| EPA 8260B | EPA 5030C | 316 | GC/MS L | 2 |
| EPA 8260B | EPA 5030C | 996 | GC/MS UU | 2 |

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# Glossary of Terms and Qualifiers

Work Order: 17-10-2182 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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Eurofins Calscience, Inc.
7440 Lincoln Way
Garden Grove, CA 92841
Phone: 714-895-5494
Fax: 714-894-7501

ExxonMobil
17-10-2182

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

Account #: NA
PO#: Direct Bill Cardno ERI
Invoice To: Direct Bill Cardno ERI
Report To: Scott Perkins
Project Name: 02 2735 C
ExxonMobil Site #: 79374
ajor Project (AFE #
Site Address: 990 San Pablo Avenue
Site City, State, Zip: Albany, California
Oversight Agency: Alameda County Environmental Health Department

| | Sample ID | Field Point Name | Date Sampled | Time Sampled | No. of Containers Shipped | Grab | Composite | Field Filtered | Preservative: Methanol | Sodium Bisulfate | HCl | NaOH | $H_2SO_4$ Plastic | $H_2SO_4$ Glass | $HNO_3$ | Ice | Other: Unpreserved | None | Matrix: Groundwater | Wastewater | Drinking Water | Sludge | Soil | Air | Other (specify): Distilled Water | Analyze For: TPHg 8015M | TPHd 8015M | TPHmo 8015M | BTEX 8260B | 7 Oxygenates 8260B | HVOCs by 8260B | | | RUSH TAT (Pre-Schedule) | 5-day TAT | Standard 10-day TAT | Due Date of Report |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | QCBB | QCBB | 10/26/17 | 0700 | 2 | | | | | | 2 | | | | | | | | | | | | | | X | | H | O | L | D | | | | | | |
| 2 | MW1 | MW1 | 10/26/17 | 1330 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 3 | MW2 | MW2 | 10/26/17 | 1350 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 4 | MW3 | MW3 | 10/26/17 | 1450 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 5 | MW3A | MW3A | 10/26/17 | 1440 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 6 | MW4 | MW4 | 10/26/17 | 1540 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 7 | MW5 | MW5 | 10/26/17 | 1455 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 8 | MW6 | MW6 | 10/26/17 | 1420 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 9 | MW7 | MW7 | 10/26/17 | 1550 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| 10 | MW8 | MW8 | 10/26/17 | 1525 | 10 | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| | ~~MW9~~ | ~~MW9~~ | | | ~~10~~ | | | | | | 8 | | | | | | 2 | | X | | | | | | | X | X | X | X | X | X | | | | | X | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

**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.

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

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

| | | Date | Time | | Date | Time |
|---|---|---|---|---|---|---|
| Relinquished by: | | 10/27/17 | 1030 | Received by: Tom O'Malley EC1 | 10/27/17 | 1030 |
| Relinquished by: Tom O'Malley TO | 650 | 10/27/17 | 1730 | Received by (Lab personnel): | 10/28/17 | 1000 |

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GSO

800-322-5555
www.gso.com

2182

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

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

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

**Signature Type:** REQUIRED

**Tracking #: 538164011**

**SDS**

**ORC** **A**

**GARDEN GROVE**

**D92845A**

74335172

Print Date: 10/27/2017 4:06 PM

Package 2 of 2

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

**TERMS AND CONDITIONS:**

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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GSO

800-322-5555
www.gso.com

2182

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

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

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

**Signature Type:** REQUIRED

**Tracking #: 538164010**

**SDS**

**ORC** **A**

**GARDEN GROVE**

**D92845A**

74335171

Print Date: 10/27/2017 4:06 PM

Package 1 of 2

**LABEL INSTRUCTIONS:**

**Do not copy or reprint this label for additional shipments - each package must have a unique barcode.**
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

**TERMS AND CONDITIONS:**

By giving us your shipment to deliver, you agree to all of the GSO service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gso.com.

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WORK ORDER NUMBER: 17-10-2182

# SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: Cardno

DATE: 10/28/2017

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

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 3.0 °C (w/ CF): 2.6 °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: SR

**CUSTODY SEAL:**

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

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1050

| **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 | | | |
| Acid/base preserved samples - pH within acceptable range | ☐ | ☐ | ☑ |
| 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** (8) ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

**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: 1050

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

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WORK ORDER NUMBER: 17-10-2182

# SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: Cardno

DATE: 10/28/2017

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

Thermometer ID: SC6 (CF: -0.4°C); Temperature (w/o CF): 2.8 °C (w/ CF): 2.4 °C; ☑ Blank ☐ Sample

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

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

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

Ambient Temperature: ☐ Air ☐ Filter Checked by: SR

**CUSTODY SEAL:**

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

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1050

| **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 | | | |
| Acid/base preserved samples - pH within acceptable range | ☐ | ☐ | ☑ |
| 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: _____)

**Aqueous:** ☐ VOA ☑ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB ☐ 125PB**znna** (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGB**s** (pH__2) ☐ 250PB ☐ 250PB**n** (pH__2) ☐ 500AGB ☑ 500AGJ (2) ☐ 500AGJ**s** (pH__2) ☐ 500PB

☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** (pH__2) ☐ 1AGB**s** (O&G) ☐ 1PB ☐ 1PB**na** (pH__12) ☐ _____ ☐ _____ ☐ _____

**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: 1050

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

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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. ERI 27352017 1106

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

RATOR 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 | 106 | GAL |
| b. | | | | |
| c. 022735CX 28L | | | | |
| d. WM4007014 125.31 | | | | |

G. Additional Descriptions for Materials Listed Above: 8 12.4.17 NOT 12.1A.17

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

**GENERATOR**

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: ON BEHALF OF EXXONMOBIL SCOTT PERKINS — Signature — Date: Month 11 Day 06 Year 17

**TRANSPORTER**

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Nick Hegert — Signature — Date: Month 11 Day 22 Year 17

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

**FACILITY**

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.

ISI

Printed/Typed Name: Ruben Gonzalez — Signature — Date: Month 11 Day 22 Year 17

NON-HAZARDOUS WASTE