June 7, 2019
Cardno 01361204.Q191

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Mr. Bradford Billings
State of New Mexico
Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

SUBJECT **Fourth Quarter 2018 and First Quarter 2019 Semi-Annual Groundwater Monitoring Report**
Gladiola Station
Lea County, New Mexico
OCD No. AP038

Mr. Billings:

At the request of ExxonMobil Environmental and Property Solutions[1], behalf of ExxonMobil US Production Company, Cardno is submitting the *Fourth Quarter 2018 and First Quarter 2019 Semi-Annual Groundwater Monitoring Report* for the subject site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates into one summary report.

Please call the undersigned at 949.457.8941 if you have questions.

Sincerely,

David M. Purdy
Senior Project Manager
for Cardno
Direct Line: 949.457.8941
Email: dave.purdy@cardno.com

cc: Ms. Marla D. Madden, ExxonMobil Environmental and Property Solutions Company

[1] ExxonMobil Environmental Services changed its name to ExxonMobil Environmental and Property Solutions.

Fourth Quarter 2018 and First Quarter 2019 Semi-Annual Groundwater Monitoring Report

Gladiola Station

Lea County, New Mexico
OCD No. AP038

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Prepared for
ExxonMobil Environmental and Property Solutions Company

June 7, 2019

Cardno®

Fourth Quarter 2018 and First Quarter 2019 Semi-Annual Groundwater Monitoring Report

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David M. Purdy
Senior Project Manager
for Cardno
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Table of Contents

Plates

Tables

Appendices

1 Introduction

At the request of ExxonMobil Environmental and Property Solutions, on behalf ExxonMobil US Production Company (ExxonMobil), Cardno prepared this semi-annual groundwater monitoring report for the site. The event included gauging the site wells, sampling the groundwater in site wells without NAPL, and conducting a NAPL pumping test.

2 Site Description

Gladiola Station is located in northeastern Lea County, New Mexico (Plate 1). The site is located at latitude 33.300745 degrees (º) and longitude -103.111117º and consists of 0.54 acre of land (Plate 2). The site was operated as a crude oil pipeline pumping station under ExxonMobil Pipeline Company until it was purchased by Trojan Pipeline L.P. in February 2004. Trojan changed its name to Centurion Pipeline L.P. (Centurion) in July 2004, and the site is currently operated by Centurion (AECOM, 2014a).

3 Geology and Hydrogeology

The site is located in northeastern Lea County, New Mexico, within the Llano Estacado (staked plains) physiographic province. Surface soils at the site are Quaternary windblown (eolian) sediments comprised of sands, silts and clays. This sediment can accumulate to a thickness of 20 feet in this portion of Lea County. The Quaternary sediment unconformably overlies the Tertiary Ogallala formation (AECOM, 2014a).

The Ogallala formation is comprised of variably cemented calcic sands, silts, caliche, gravel and some clays, and ranges in thickness from 50 to 300 feet. Groundwater in northern Lea County is primarily produced from the Ogallala formation. The saturated thickness ranges from 25 to 200 feet, with the depth to groundwater ranging from less than 30 to approximately 260 feet. The Ogallala formation unconformably overlies the Triassic Dockum group. The Dockum group consists of red shale and sandstone and is commonly referred to as red beds. The red beds can exceed 1,000 feet in thickness in this region and may produce small amounts of water at the bottom of the formation. Water wells in the vicinity of the site have a total depth of approximately 100 feet bgs, with depth to groundwater ranging from 35 to 70 feet bgs (AECOM, 2014a).

The surface soils encountered at the site are silty clays approximately 2 to 3 feet thick. This surface soil is consistent with the surface soil description (Quaternary sediment) for this physiographic province. The next three soil types encountered at the site are consistent with the description of the Ogallala formation (caliche, limestone and silty sands). The Dockum group was not encountered at the site (AECOM, 2014a).

The first occurrence of groundwater encountered at the site is found within the Ogallala formation and would likely be classified as the Ogallala Aquifer. The characteristics of the Ogallala Aquifer as described in the scientific literature match the characteristics of subsurface conditions beneath the site (produces small amounts of good-quality water). The depth to groundwater beneath the site has ranged historically from approximately 29 to 43 feet bgs (AECOM, 2014a).

4 Regulatory Framework and Site Classification

The New Mexico Oil Conservation Division (NMOCD) has regulatory jurisdiction over oil and gas production operations including crude-oil pipeline releases and closure activities in the State of New Mexico. This

investigation was conducted in accordance with a "revised Stage 1 Abatement Plan," submitted to the NMOCD on March 2, 2006. The NMOCD requires that soil affected by a crude oil release be remediated in such a manner that the potential for future effects to groundwater or the environment are minimized. The NMOCD hydrocarbon recommended remediation action levels (RRALs) for soil are determined by ranking criteria on a site-by-site basis, outlined in the NMOCD *Guidelines for Remediation of Spills, Leaks, and Releases*, dated August 13, 1993 (NMOCD, 1993). The ranking criteria are based on three site characteristics: depth to groundwater, wellhead protection and distance to surface water (AECOM, 2014a).

The NMOCD guidelines require groundwater to be analyzed for potential constituents of concern as defined by New Mexico Water Quality Control Commission (NMWQCC) regulatory limits. Human health standards for groundwater with a total dissolved solids (TDS) concentration of less than 10,000 mg/L can be found in New Mexico Administrative Code (NMAC) 20.6.2.3103, Sections A and B (AECOM, 2014a).

A water well search was conducted on May 28, 2008. According to the New Mexico Office of the State Engineer Water Administration Technical Engineering Resource System database, 18 wells are located within approximately 1 mile of the site. Three of those wells are within 2,000 feet of the site. Two were natural resource exploratory wells (likely petroleum exploration), and one was installed as a livestock watering well. According to the Water Administration Technical Engineering Resource System database, no wells are located within 1,000 feet of the site (AECOM, 2014a).

On March 13, 2009 and April 15, 2009, Kleinfelder West, Inc. (Kleinfelder) contacted an adjacent property owner, Mr. Tommy Burrus, to obtain information regarding water well locations and usage (AECOM, 2014a). According to Mr. Burrus, water supply wells are located as indicated in the following table.

Location	Usage	Owner
Approximately 0.5 mile northeast	Livestock watering well	Tommy Burrus
Between approximately 0.5 - 0.75 mile southeast of the site	Livestock watering well	Tommy Burrus
Approximately 0.4 mile east of the site	Domestic well at an abandoned ranch (no longer in use)	Tommy Burrus
Between approximately 0.5 and 0.75 mile northwest of the site	Livestock watering well	Clinton Houston

Data collected during groundwater monitoring and sampling events indicates that the historic DTW at the site has ranged from approximately 29 to 43 feet bgs. The site is not within 1,000 feet of a wellhead protection area, and surface water is more than 1,000 feet from the site, giving the site a ranking criteria score of 20 as summarized in the following table (AECOM, 2014a).

Characterization	Selection	Score
Depth to Groundwater	Less than 50 feet	20
Wellhead Protection Area	Greater than 1,000 feet	0
Distance to Surface Water	Greater than 1,000 feet	0
Total Score	NA	20

Based on a total score of 20, the following soil hydrocarbon RRALs apply to this site:

Constituent of Concern	RRALs (mg/kg)
Benzene	10
Total BTEX	50
TPH	100

Groundwater samples collected as part of assessment activities were evaluated using NMWQCC regulatory limits for the analytical parameters listed in the following table.

Constituent of Concern	Concentration (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Benzo(a)pyrene	0.0007
Total Naphthalene[1]	0.03
Arsenic	0.1
Barium	1.0
Cadmium	0.01
Chromium	0.05
Lead	0.05
Mercury	0.002
Selenium	0.05
Silver	0.05
Chloride	250.0
Sulfate	600.0
TDS	1,000.0

[1]*Total Naphthalene = naphthalene + 1-methylnaphthalene + 2-methylnaphthalene*

5 Previous Work

Soil and groundwater investigations have been conducted at the site since 2002. Previous work has included the drilling of soil borings, installation of wells, soil excavation, and NAPL bailing (Plate 2). For detailed information regarding these investigations, refer to the documents listed in the reference section. Cumulative groundwater analytical results are summarized in Tables 1 through 7.

5.1 Pumping Station Activities

November 18, 2002. A crude oil release of approximately 15 barrels occurred as a result of a leak from the former western sump overflow/bleeder valve, located to the northeast of well MW-1. Approximately 5 barrels of crude oil were recovered from the release (ExxonMobil, 2002).

May 21, 2007. Centurion reported a crude oil release resulting from a strainer valve failure, which caused the eastern sump, located to the north of well MW-2, to overfill (AECOM, 2014a).

March 2009. In March 2009, NAPL was observed in off-site groundwater monitoring well MW-15 at a thickness of 0.16 foot. On October 11, 2011, NAPL thickness had increased in well MW-15 to 2.24 feet. In addition, NAPL was observed in well MW-13, located northwest of MW-15, at a thickness of 0.95 foot. By October 2012, NAPL thickness had increased in well MW-15 to 3.35 feet and was first observed in off-site groundwater monitoring well MW-24 at a thickness of 4.35 feet. Based on the levels of NAPL in wells MW-15 and MW-24, ExxonMobil theroized that observation of NAPL in wells MW-13, MW-15, and MW-24 could be indicative of a third release of crude oil.

5.2 Site Assessment Activities

2004. BNC Environmental Services, Inc. conducted soil and groundwater activities, which included the installation of monitoring wells MW-1 through MW-3. NAPL was encountered in the wells. A water well search was also conducted, which did not identify water wells located on or immediately adjacent to the site (BNC, 2004).

2006. Conestoga-Rovers & Associates (CRA) advanced soil borings SB-9 and SB-11, installed groundwater monitoring wells MW-4 through MW-10, and conducted a site-wide groundwater monitoring and sampling event at the site. NAPL was encountered in wells MW-1, MW-2, and MW-3 (AECOM, 2014a).

April 2008. Kleinfelder oversaw the installation of monitoring wells MW-11 through MW-16 (Kleinfelder, 2008).

August 2009. Kleinfelder oversaw the installation of monitoring wells MW-17 through MW-21 (AECOM, 2014a).

October 26-28, 2011. Groundwater & Environmental Services, Inc. (GES) advanced soil borings SB-1 through SB-7 at the site and installed temporary groundwater monitoring wells in the borings. GES then gauged and sampled the temporary monitoring wells. Measurable NAPL was not encountered in the wells (AECOM, 2014a).

December 13-15, 2011. GES installed permanent monitoring wells MW-23 through MW-26 (AECOM, 2014a).

June 18-26, 2018. Cardno oversaw the installation of monitoring wells MW27 though MW32. Details of the well installations will be reported under separate cover.

5.3 Remediation Activities

August 2003. E. D. Walton conducted initial remedial excavation activities and B&H Maintenance and Construction conducted a soil boring investigation (B&H, 2003).

May-June 2007. Soil remediation activities, including excavation, were conducted at the site (AECOM, 2014a).

April 2, 2009. NOVA Safety and Environment, on behalf of Centurion, recommended to the NMOCD no further action for the May 2007 release (AECOM, 2014a).

April 28-29, 2016. Cardno conducted a NAPL baildown test on wells MW-13, MW-14, and MW-24. Cardno also bailed NAPL from wells MW-4, MW-5, MW-12, MW-15, MW-16, MW-18, MW-20, and MW-25 using disposable Teflon® bailers. Approximately 6 gallons of NAPL were removed. Samples of the NAPL from wells MW-13, MW-14, and MW-24 were collected for laboratory analysis (Cardno, 2016b).

October 26, 2016. Cardno conducted a NAPL pumping test to assess whether sustained flow of NAPL is possible by pumping. To begin the test, Cardno adjusted the pump to a rate of 0.1 gpm to conduct a step test to gradually increase the flow rate and determine the appropriate flow rate for a constant rate pumping test; however, Cardno was not able to sustain the desired flow rates during the step test and the constant rate test, therefore, was not performed. Approximately 100 gallons of LNAPL mixed with water was removed (Cardno, 2017a).

May 24-25, 2017. Cardno conducted a NAPL recovery test using a Xitech Instruments, Inc. ADJ210 High Performance Smart Skimmer® pump equipped with an electronic controller to assess whether sustained flow of NAPL is possible by pumping. During the test, approximately 10 to 15 gallons of NAPL were removed over a 24 hour period (Cardno, 2017b).

5.4 Groundwater Monitoring Activities

2006. CRA conducted site-wide groundwater monitoring and sampling activities. NAPL was encountered in wells MW-1 trough MW-3 (AECOM, 2014a).

April 2008–February 2009. Kleinfelder conducted groundwater monitoring activities at the site. The groundwater monitoring data indicated that hydrocarbons related to the Centurion May 2007 release were still present on site (AECOM, 2014a).

October 12-13, 2011. GES performed groundwater monitoring and sampling activities for wells MW-1 through MW-22. Monitoring wells with NAPL were gauged and bailed (AECOM, 2014a).

October 28, 2011. GES gauged and sampled temporary monitoring wells SB-1 through SB-7. No measureable NAPL was encountered in the wells (AECOM, 2014a).

February 22, 2012. GES performed groundwater monitoring and sampling activities for wells MW-1 through MW-26. Monitoring wells with NAPL were gauged and bailed (AECOM, 2014a).

July 17, 2012. GES performed groundwater monitoring and sampling activities at the site. Monitoring wells with NAPL were gauged and bailed. NAPL samples from wells MW-2 and MW-13 were collected for fingerprint analysis. Borbas Surveying and Mapping LLC surveyed the 26 monitoring wells and select features on the site (AECOM, 2014a).

October 3, 2012. GES performed groundwater monitoring and sampling activities at the site. Monitoring wells with NAPL were gauged and bailed. NAPL samples were collected from wells MW-2, MW-13, MW-18, and MW-26 for fingerprint analysis (AECOM, 2014a).

May 13-16, 2013. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 17 gallons of NAPL were recovered from affected monitoring wells. Monitoring well MW-8 was not found and is presumed to be destroyed. Large pieces of concrete were found in the vicinity of the well (AECOM, 2014a).

January 27-29, 2014. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed product. Approximately 20 gallons of NAPL were recovered from affected monitoring wells (AECOM, 2014a).

June 16-19, 2014. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 25 gallons of NAPL were recovered from affected monitoring wells. Monitoring well MW-2 was found damaged and could not be gauged or sampled (AECOM, 2014a).

November 17-19, 2014. AECOM conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 25 gallons of NAPL were recovered from affected monitoring wells (AECOM, 2014b).

December 7-9, 2015. Cardno conducted a groundwater monitoring and sampling event at the site, including the removal of bailed NAPL. Approximately 30 gallons of NAPL were removed from affected monitoring wells (Cardno, 2016a).

April 26-27, 2016. Cardno conducted a groundwater monitoring and sampling event at the site (Cardno, 2016b).

April 28-29, 2016. Cardno conducted a NAPL baildown test on wells MW-13, MW-14, and MW-24. Cardno also bailed NAPL from wells MW-4, MW-5, MW-12, MW-15, MW-16, MW-18, MW-20, and MW-25 using disposable Teflon® bailers. Approximately 6 gallons of NAPL were removed. Samples of the NAPL from wells MW-13, MW-14, and MW-24 were collected for laboratory analysis (Cardno, 2016b).

October 24-26, 2016. Cardno conducted a groundwater monitoring and sampling event (Cardno, 2017a).

May 24-25, 2017. Cardno conducted a groundwater monitoring and sampling event at the site (Cardno, 2017b).

November 28-29, 2017. Cardno conducted a groundwater monitoring and sampling event at the site bailed NAPL from wells MW5 (1 gallon), MW14 (3 gallons), MW24 (2 gallons), and MW25 (2 gallons). Approximately 30 gallons of NAPL were removed from affected monitoring wells (Cardno, 2018).

November 30, 2017. Cardno collected additional DTW and depth to product (DTP) measurements from select bailed wells (Cardno, 2018).

6 Field Activities

Field data sheets are included in Appendix A. The laboratory analytical report is included in Appendix B.

6.1 Monitoring Well Gauging

From March 4 through 7, 2019, monitoring wells MW-1 through MW-32 were gauged with the exception of wells MW-2 and MW-8. Monitoring well MW-2 is damaged and cannot be gauged or sampled. Monitoring well MW-8 was not located and is presumed to have been destroyed in 2013.

At the beginning of the groundwater monitoring event, the monitoring well boxes were opened and the locking well caps removed from the wells. The liquid level within each well was allowed to equilibrate to atmospheric pressure. The water levels were measured in all wells prior to sampling using an electronic oil/water interface probe capable of detecting groundwater elevations to the nearest 0.01 foot.

In wells without NAPL or a sheen, the depth to groundwater was measured to the nearest 0.01 foot with an electronic oil/water interface probe. Groundwater elevations are calculated by subtracting the depth to groundwater from the surveyed TOC.

In wells with NAPL, the depth of the top and bottom of NAPL was measured using an oil/water interface probe. The water levels were then corrected for density effects to accurately determine the elevation of the water table. Wells containing NAPL are not purged or sampled.

After measuring the static groundwater levels, select monitoring wells were purged using low-flow sampling techniques. Samples were collected once field parameters stabilized. Submersible pumps were utilized for purging the monitoring wells and the flow rate was adjusted to minimize drawdown. Water quality measurements including temperature, pH, conductivity, dissolved oxygen and ORP were recorded via the use of a flow-through cell and a YSI multi-parameter meter. The sample intake was positioned at approximately the middle of the well screen.

6.2 Monitoring Well Sampling

From March 5 through 7, 2019, groundwater samples were collected from the monitoring wells without NAPL.

The wells were sampled using low-flow sampling techniques in general accordance with the EPA guidelines described in the EPA document titled “Standard Operating Procedure for Low-Stress (Low Flow)/Minimal Drawdown Ground-Water Sample Collection” (www.epa.gov/Region09/qa/pdfs/finalsopls1217.pdf).

After purging, groundwater samples were collected through a bladder pump directly into laboratory-provided containers. Depending on the required analysis, each sample container was preserved with hydrochloric acid, nitric acid, etc., or it was preservative-free. The samples were immediately placed on ice in laboratory-supplied containers and subsequently shipped to a certified environmental laboratory using COC protocol.

QA/QC samples were also submitted including a field blank and an equipment blank. The field blank was prepared by placing distilled water into the laboratory supplied sample containers while in the field. The equipment blank was prepared by pouring distilled water over or through decontaminated field sampling equipment prior to the collection of samples.

The samples were analyzed for VOCs by EPA Method 8260B, PAHs by EPA Method 8270C, RCRA metals by EPA Method 6010B, mercury by EPA Method 7470A, chloride by Standard Method 4500 CI-E, sulfate by EPA Method D516-90, total alkalinity by SM 2320B, and TDS by SM 2540C.

6.3 NAPL Bailing

No NAPL bailing was conducted during this groundwater monitoring and sampling event.

6.4 Waste Management

Decontamination/purge water and NAPL generated during the sampling and NAPL recovery event were temporarily stored in DOT-approved, sealed 55-gallon drums. Waste disposal documentation is included in Appendix C. The third quarter 2018 waste manifest, which was not received in time for submittal in the previous groundwater monitoring report, is also included in Appendix C.

7 Results

Measurable NAPL was encountered in monitoring wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-21, and MW-23 through MW-25 and for the first time in well MW-26 at a thickness of 0.55 foot. NAPL thickness ranged from 0.10 foot (MW-23) to 1.80 feet (MW-24). Sheen was observed in well MW-3. NAPL was not observed in newly-installed groundwater monitoring wells MW-27 through MW-32.

Measured groundwater levels in the wells ranged from 36.13 feet below TOC (well MW-3) to 41.26 feet below TOC (MW-32). The apparent groundwater flow direction was northwest to northeast. The groundwater surface elevations and NAPL thicknesses for the monitoring wells are summarized in Table 1. The groundwater surface elevations were used to construct a potentiometric surface map (Plate 3), illustrating the estimated water table contours and direction of groundwater flow.

Groundwater analytical results were compared to NMWQCC standards as shown in Tables 1 through 7. Concentrations reported in the sampled wells did not exceed NMWQCC standards with the following exceptions:

- **Benzene:** MW-17.
- **Total Naphthalene:** MW-17
- **Chloride:** MW-27
- **TDS:** MW-28.

A map showing the extent of NAPL and groundwater concentrations for BTEX and total naphthalene are presented on Plate 4.

8 Conclusions and Recommendations

Concentrations and NAPL measurements decreased or remained stable. The lateral assessment of NAPL in groundwater appears to be delineated with the exception of MW-26 to the north of the site where NAPL was observed for the first time at a thickness of 0.55 foot. No NAPL or sheen was observed in newly-installed groundwater monitoring wells MW-27 through MW-32. The groundwater flow direction was consistent with historical results.

Cardno recommends conducting a meeting with Centurion Pipeline to discuss a remediation plan for the removal and lateral control of NAPL in groundwater. In addition, Carndno recommends continued semi-annual groundwater monitoring at the site.

9 Contact Information

The responsible party contact is Ms. Marla D. Madden, ExxonMobil Environmental and Property Solutions Company, 18685 Main Street, Suite 101 PMB 601, Huntington Beach, California, 92648-1719.

The consultant contact is Mr. David M. Purdy, Cardno, 20505 Crescent Bay Drive, Lake Forest, California, 92630.

The agency contact is Mr. Bradford Billings, NMOCD, 1220 South Saint Francis Drive, Santa Fe, New Mexico, 87505.

10 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 New Mexico 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.

11 References

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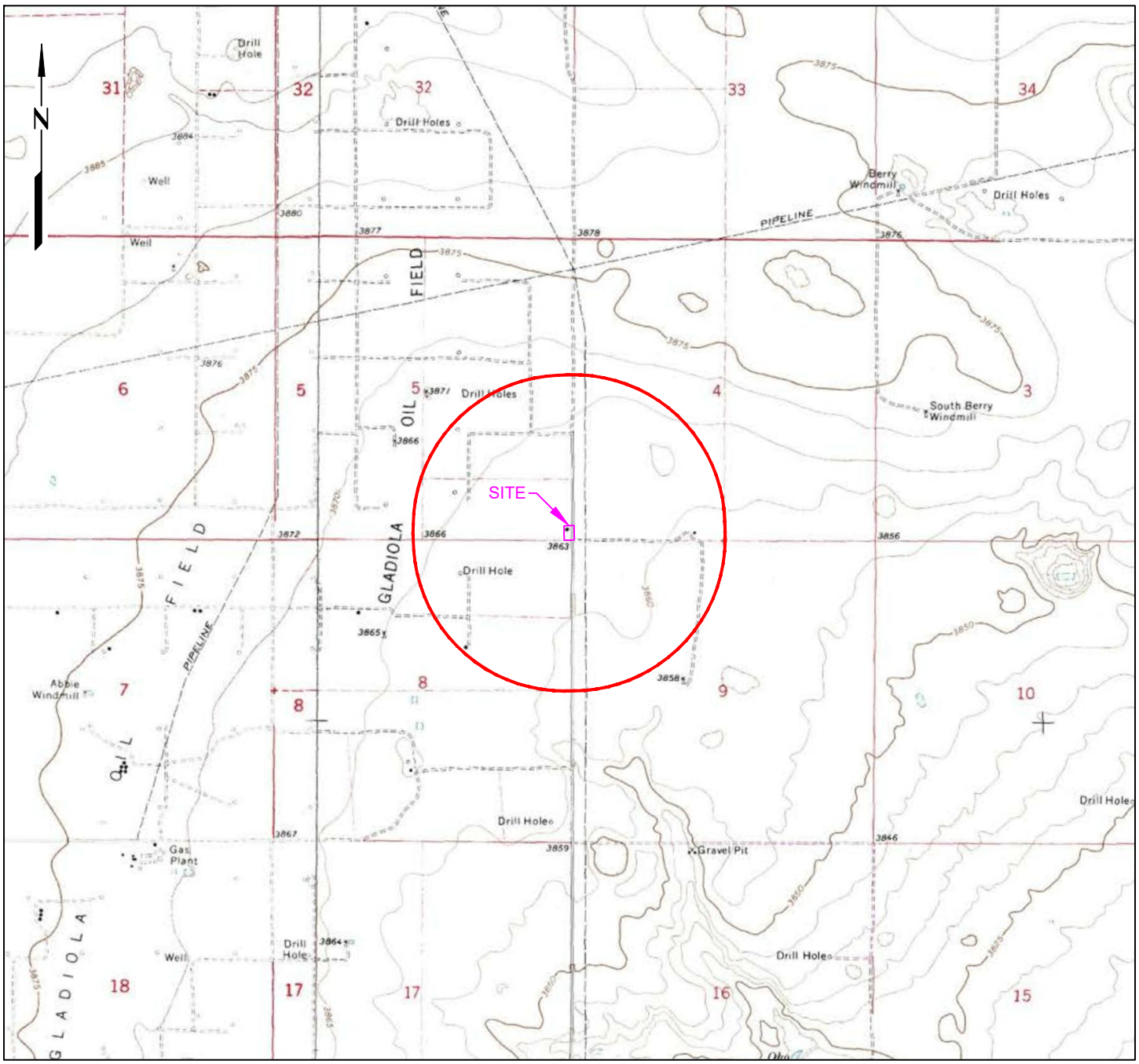
12 Acronym List

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 3612.TOPO02

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

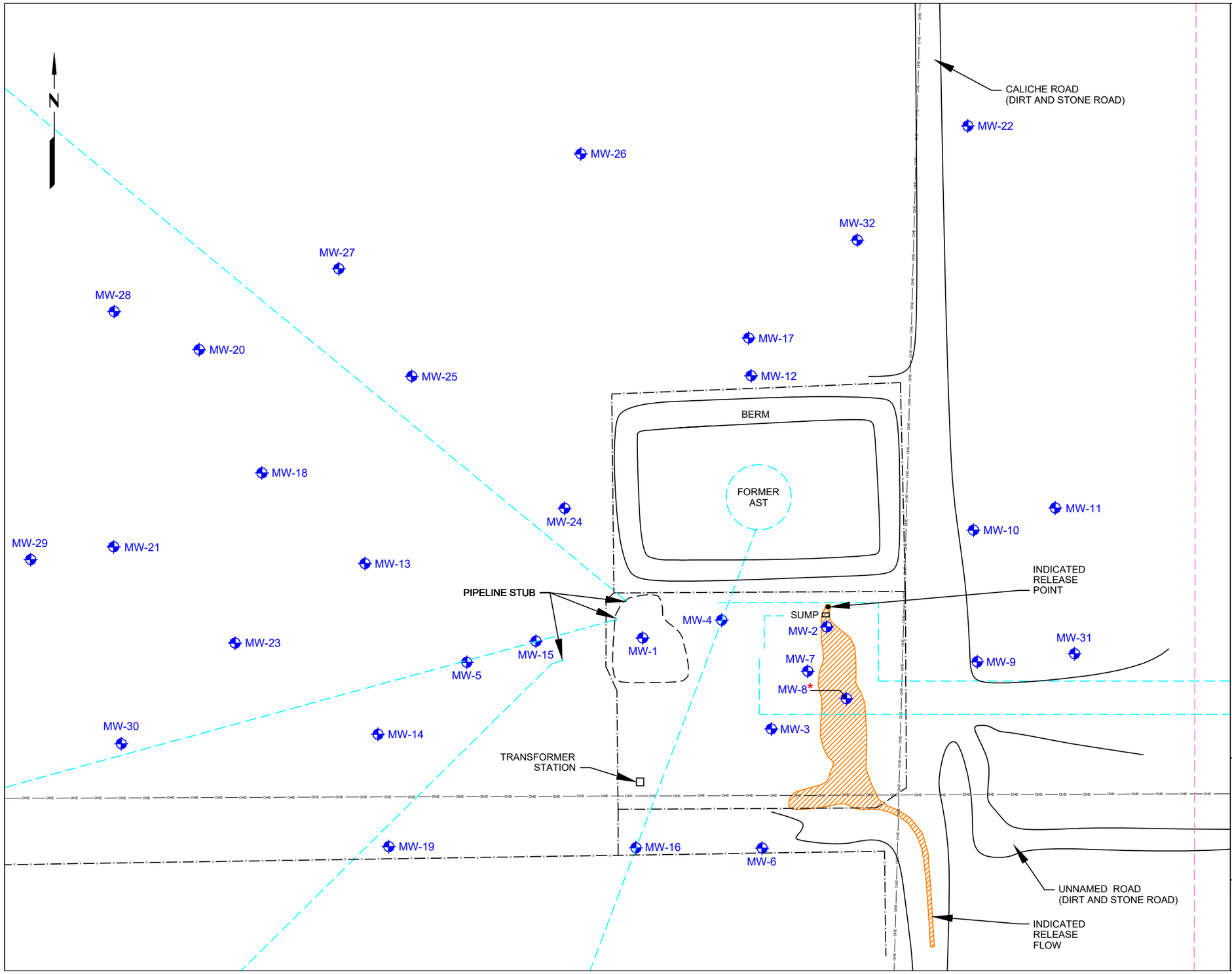
SOURCE: Modified from a map provided by MapPass

Cardno

SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO.
3612
PLATE
1



EXPLANATION

- MW-32 — Groundwater monitoring well
- * — Well is presumed to have been destroyed
- Overhead electric line
- Fence
- Active pipeline
- Inactive pipeline
- Extent of May 2007 surface release
- Extent of 2004 remedial soil excavation

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GENERALIZED SITE PLAN

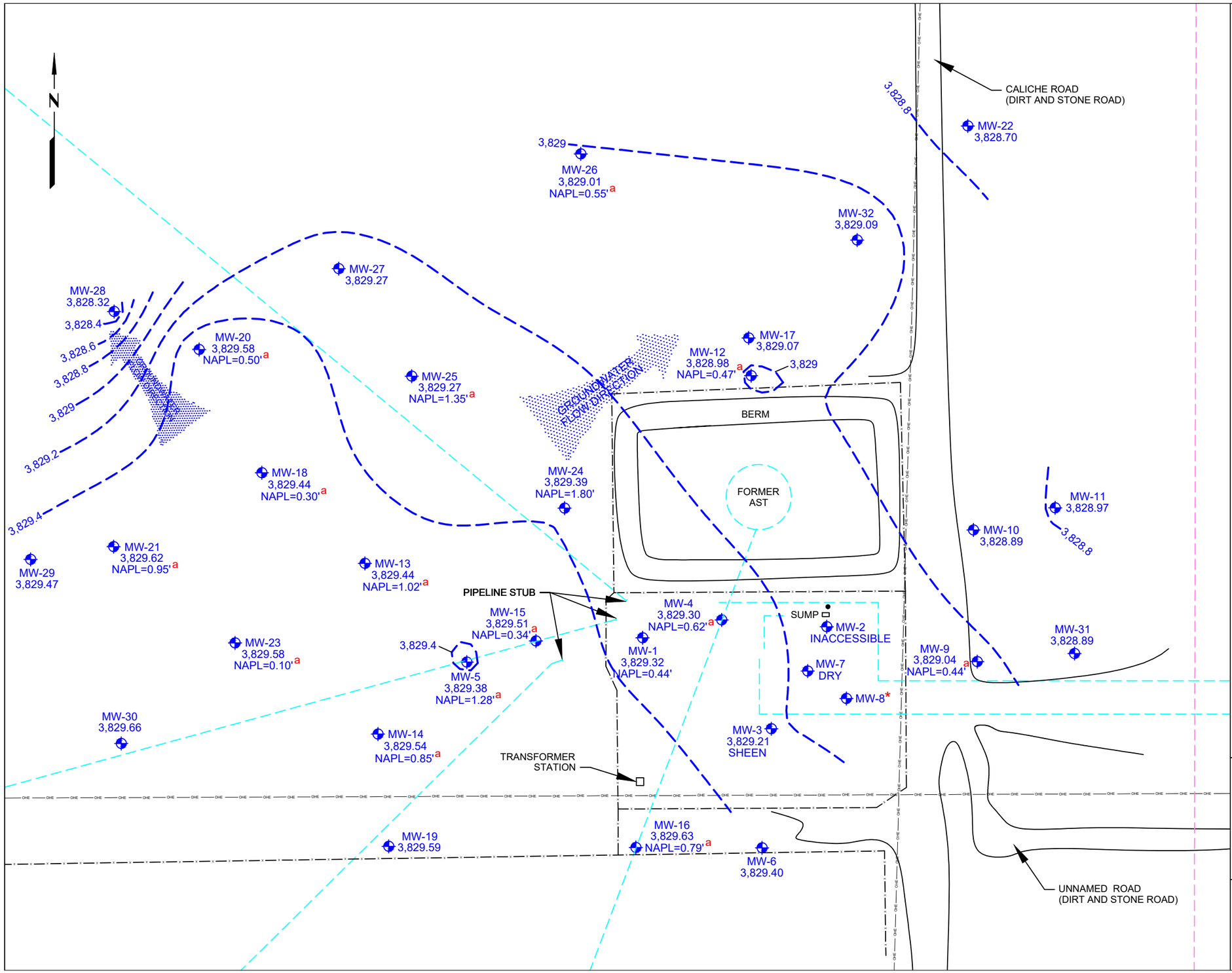
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 2

DATE: 06/06/19



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevation is adjusted for NAPL thickness using a relative density of 0.83
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ELEVATION MAP 03/04-07/19

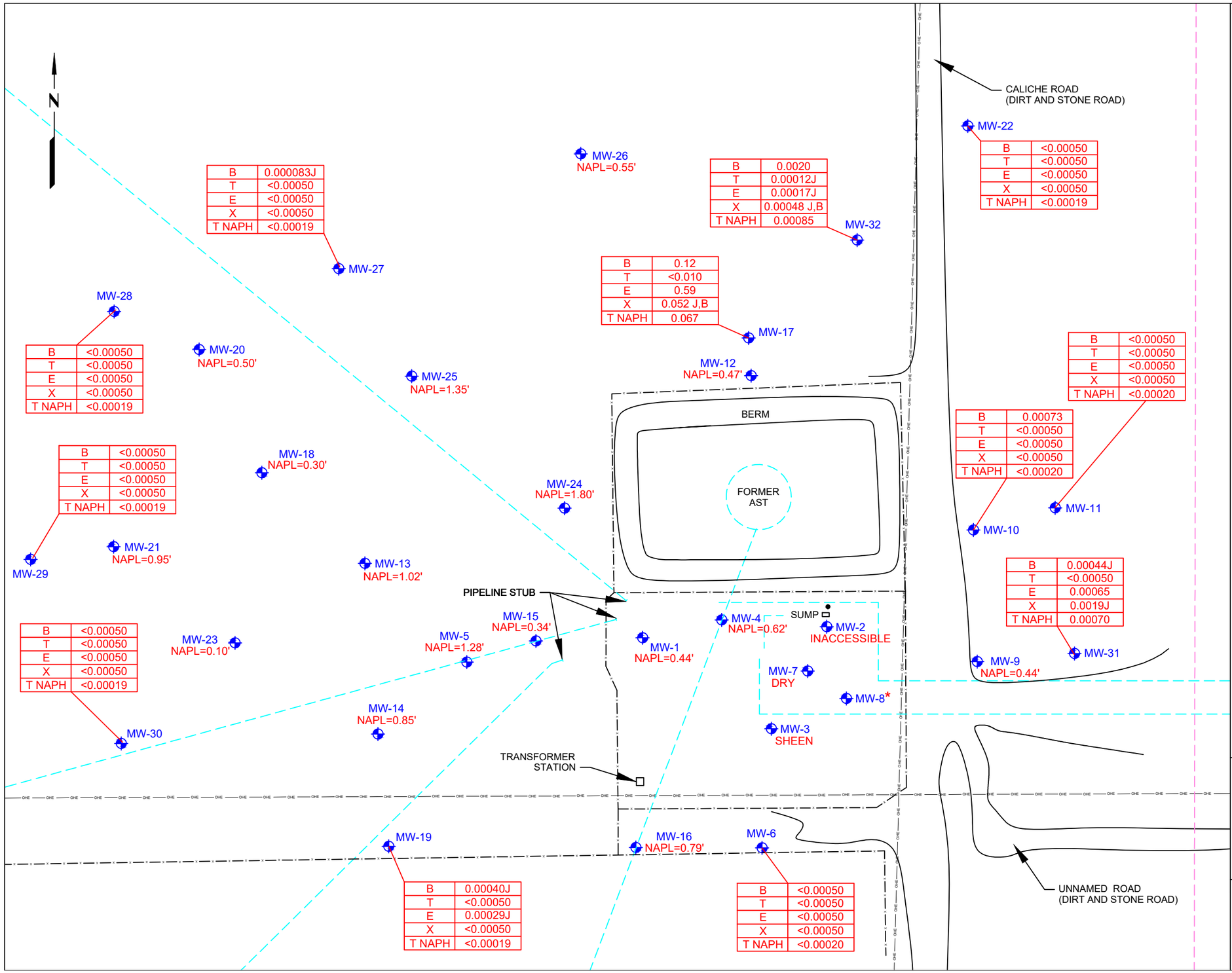
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 3

DATE: 06/06/19



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
B	Analyte reported in associated method or trip blank
J	Estimated value between method detection limit & practical quantitation limit
B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes
T NAPH	Total naphthalene

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
ImagePatch.com © 2016 Microsoft Corporation
AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER SAMPLE ANALYSES MAP 03/04-07/19

GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 4

DATE: 06/06/19

TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet):**		**22.71-42.71**					
03/04/19	3866.77	37.82	3,829.32	0.44				
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**					
03/04/19	3869.40				Inaccessible - Stick-up well casing damaged.			
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**					
03/04/19	3865.34	36.13	3,829.21	Sheen				
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**					
03/04/19	3866.32	37.53	3,829.30	0.62				
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**					
03/04/19	3868.65	40.33	3,829.38	1.28				
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**					
03/07/19	3868.66	39.26	3,829.40	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**					
03/04/19	3865.76	Dry		No				
Field Point MW-8	**Well Screen Interval (feet):**		**23.05-38.05**					
03/04/19	3865.32				Unable to locate - Presumed destroyed.			
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**					
03/04/19	3869.90	41.23	3,829.04	0.44				
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**					
03/07/19	3870.47	41.58	3,828.89	No	0.00073	<0.00050	<0.00050	<0.00050
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**					
03/04/19	3869.68	40.89	3,828.79	No				
03/07/19	3869.68	40.71	3,828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**					
03/04/19	3869.40	40.81	3,828.98	0.47				
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**					
03/04/19	3868.76	40.17	3,829.44	1.02				
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**					
03/04/19	3868.62	39.79	3,829.54	0.85				
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**					
03/04/19	3868.86	39.63	3,829.51	0.34				
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**					
03/04/19	3868.68	39.71	3,829.63	0.79				

TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
03/04/19	3869.27	40.38	3828.89	No				
03/06/19	3869.27	40.20	3,829.07	No	**0.12**	<0.010	0.59	0.052 J,B
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
03/04/19	3868.94	39.75	3,829.44	0.30				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
03/05/19	3868.90	39.31	3,829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
03/04/19	3869.15	39.99	3,829.58	0.50				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
03/04/19	3869.07	40.24	3,829.62	0.95				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
03/06/19	3869.86	41.16	3,828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
03/04/19	3869.22	39.72	3,829.58	0.10				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
03/04/19	3868.04	40.14	3,829.39	1.80				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
03/04/19	3869.14	40.99	3,829.27	1.35				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
03/04/19	3869.15	40.60	3,829.01	0.55				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
03/06/19	3869.12	39.85	3,829.27	No	0.000083 J	<0.00050	<0.00050	<0.00050
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
03/05/19	3869.10	39.44	3,829.66	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
03/07/19	3869.05	40.16	3,828.89	No	0.00044 J	<0.00050	0.00065	0.0019 J
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
03/06/19	3870.35	41.26	3,829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
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GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR SVOCs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**										
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**										
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	<0.00020
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**										
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**										
03/06/19	0.00016 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0017	<0.00019
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**										
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**										
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**										
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**										
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**										
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**										
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**										
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**										
03/06/19	0.00010 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	<0.00020

TABLE 2
GROUNDWATER ANALYTICAL RESULTS FOR SVOCs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**					
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**					
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**					
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**					
03/06/19	0.0010	<0.00019	0.062	0.030	0.037	**0.067**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
03/05/19	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**					
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**					
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**					
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**					
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**					
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**					
03/07/19	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**					
03/06/19	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR SVOCs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
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GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
03/07/19	<0.100	0.244	<0.0100	<0.0500	0.0138 J	0.00139	<0.100	<0.0100	4.7	20	430	505
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**									
03/07/19	<0.100	0.114	<0.0100	<0.0500	0.0128 J	0.000765	<0.100	<0.0100	130	56	580	955
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
03/06/19	<0.100	**10.3**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
03/05/19	<0.100	0.0669	<0.0100	<0.0500	0.017 J	<0.000200	<0.100	<0.0100	220	440	140	**1100**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
03/05/19	<0.100	0.0490	<0.0100	<0.0500	0.0105 J	<0.000200	<0.100	<0.0100	190	110	160	690
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
03/07/19	<0.100	0.207	<0.0100	<0.0500	0.01 J	0.000256	<0.100	<0.0100	65	96	400	745
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
03/06/19	<0.100	0.235	<0.0100	<0.0500	0.0116 J	<0.000200	<0.100	<0.0100	55	46	460	645

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

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TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**							
05/17/04	3863.81	32.74	3831.07	No				
11/30/04	3863.81	30.83	3835.00	2.43				
05/05/05	3863.81	29.20	3835.25	0.77				
07/24/06	3863.81	28.71	3835.58	0.58	**1.6**	0.236	0.181	**0.815**
02/08/07	3863.81	28.92	3835.27	0.46	**1.1**	0.106	0.362	**1.46**
04/15/08	3863.81	29.45	3834.68	0.39				
09/21/08	3863.81			No				
09/26/08	3863.81	29.58	3834.51	0.34	**1.03**	0.00434	0.551	**1.63**
02/15/09	3863.81	30.50	3833.60	0.35				
05/19/09	3863.81	30.85	3833.32	0.43	**1.12**	0.00132	0.563	**1.22**
08/19/09	3865.14	31.75	3833.68	0.35	**1.06**	0.227	0.67	**1.51**
10/30/09	3865.14	31.73	3833.64	0.28	**1.01**	0.00225	**0.774**	**1.63**
10/12/11	3865.14	34.60	3831.00	0.55				
02/22/12	3865.14	34.85	3830.66	0.45				
07/17/12	3866.63	35.26	3831.77	0.48				
10/03/12	3866.63	35.42	3831.58	0.45				
05/14/13	3866.63	35.83	3831.12	0.39				
01/27/14	3866.63	36.83	3830.57	0.93				
06/17/14	3866.63	36.92	3830.19	0.58				
11/18/14	3866.63	36.94	3830.19	0.60				
12/07/15	3866.63	36.87	3830.11	0.42				
04/26/16	3866.63	37.20	3829.73	0.36				
10/24/16	3866.63	36.64	3830.17	0.22				
05/22/17	3866.63	37.41	3829.56	0.41				
11/28/17	3866.63	37.18	3829.67	0.27				
07/17/18	3866.77	37.52	3829.57	0.38				
03/04/19	3866.77	37.82	3,829.32	0.44				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
05/17/04	3867.89	37.04	3830.85	No				
11/30/04	3867.89	35.61	3833.88	1.93				
05/05/05	3867.89	33.36	3834.90	0.45				
07/25/06	3867.89	33.14	3834.95	0.24	0.00492	0.0142	0.142	0.166
02/08/07	3867.89	33.07	3834.92	0.12	**0.0550**	0.0111	0.0726	0.105
04/15/08	3867.89	38.81	3834.43	6.44				
09/22/08	3867.89			No				
09/26/08	3867.89	38.97	3833.94	6.05	**2.57**	**2.66**	0.504	**1.210**
02/15/09	3867.89	38.95	3833.45	5.43				
05/19/09	3867.89	38.63	3833.09	4.62	Not sampled - NAPL entered bailer during each attempt.			
08/19/09	3867.89	39.00	3832.92	4.85	**2.70**	**2.44**	0.495	**1.110**
10/30/09	3867.89	38.98	3832.87	4.77	**3.25**	<0.00100	0.381	**0.675**
10/12/11	3867.89	39.46	3830.82	2.88				
02/22/12	3867.89	39.73	3830.48	2.80				
07/17/12	3869.40	40.19	3831.64	2.93				
10/03/12	3869.40	40.29	3831.45	2.82				
05/14/13	3869.40	40.72	3830.96	2.75				
01/27/14	3869.40	40.11	3830.39	1.33				
06/17/14	3869.40				Inaccessible - Stick-up well casing damaged.			
12/07/15	3869.40				Inaccessible - Stick-up well casing damaged.			
04/26/16	3869.40				Inaccessible - Stick-up well casing damaged.			
10/24/16	3869.40				Inaccessible - Stick-up well casing damaged.			
05/22/17	3869.40				Inaccessible - Stick-up well casing damaged.			
11/28/17	3869.40				Inaccessible - Stick-up well casing damaged.			

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**							
07/17/18	3869.40				Inaccessible - Stick-up well casing damaged.			
03/04/19	3869.40				Inaccessible - Stick-up well casing damaged.			
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
05/17/04	3863.72	32.79	3830.93	No				
11/30/04	3863.72	30.08	3834.01	0.44				
05/05/05	3863.72	28.90	3835.02	0.24				
07/24/06	3863.72	28.87	3835.06	0.25	**0.0452**	0.00715	0.0974	0.015
02/08/07	3863.72	28.79	3835.02	0.11	**0.586**	0.00522	0.114	0.360
04/15/08	3863.72	29.42	3834.48	0.22				
09/22/08	3863.72			No				
09/26/08	3863.72	29.99	3833.90	0.20	**1.55**	<0.00100	0.133	0.310
02/15/09	3863.72	29.90	3833.94	0.15				
05/19/09	3863.72	30.82	3833.14	0.29	**1.2**	<0.00100	0.116	0.206
08/19/09	3863.72	31.15	3832.86	0.35	**2.05**	<0.00100	0.174	0.317
10/30/09	3863.72	31.16	3832.83	0.33	**1.96**	<0.00100	0.166	0.320
10/12/11	3863.72	33.10	3830.94	0.38				
02/22/12	3863.72	33.30	3830.58	0.19				
07/17/12	3865.25	33.80	3831.71	0.31				
10/03/12	3865.25	33.94	3831.51	0.24				
05/14/13	3865.25	34.31	3831.04	0.12				
01/27/14	3865.25	35.04	3830.47	0.31				
06/17/14	3865.25	35.33	3830.13	0.25				
11/18/14	3865.25	35.34	3830.02	0.13				
12/07/15	3865.25	35.39	3829.93	0.09				
04/26/16	3865.25	35.69	3829.71	0.18				
10/24/16	3865.25	35.42	3829.93	0.12				
05/22/17	3865.25	35.80	3829.52	0.09				
11/28/17	3865.25	35.70	3829.57	0.02	Insufficient water to sample.			
07/17/18	3865.34	35.80	3829.54	No				
03/04/19	3865.34	36.13	3,829.21	Sheen				
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
07/25/06	3864.66	29.57	3835.09	No	**3.14**	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	No	**2.78**	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	No	**3.39**	0.0151	0.337	**0.662**
09/21/08	3864.66			No				
09/26/08	3864.66	30.75	3833.93	0.02	**2.95**	0.0276	0.328	**0.688**
02/15/09	3864.66	31.09	3833.58	0.01				
05/19/09	3864.66	31.73	3833.10	0.20	**1.93**	0.00189	0.170	0.546
08/19/09	3864.66	31.82	3832.98	0.17	**2.89**	<0.00100	0.336	0.600
10/30/09	3864.66	31.80	3832.96	0.12	**2.92**	0.0011	0.347	0.619
10/12/11	3864.66	34.09	3830.91	0.41				
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**							
07/20/06	3866.99	31.82	3835.17	No	**6.93**	0.374	0.567	**1.14**
02/07/07	3866.99	31.93	3835.06	No	**6.91**	0.297	**0.905**	**1.74**
04/15/08	3866.99	32.45	3834.54	No	**5.44**	0.0686	**0.763**	**1.33**
09/21/08	3866.99			No				
09/26/08	3866.99	33.07	3833.92	No	**6.17**	0.0979	0.736	**1.220**
02/06/09	3866.99	33.54	3833.45	No	**5.61**	0.0514	**0.849**	**1.410**
02/06/09 D	3866.99	33.54	3833.45	No	**5.26**	0.0438	**0.835**	**1.320**
05/19/09	3866.99	33.83	3833.16	No	**5.08**	0.0436	0.681	**1.180**
08/19/09	3866.99	34.15	3832.84	No	**4.68**	0.0567	0.726	**0.932**
08/19/09 D	3866.99	34.15	3832.84	No	**4.79**	0.0732	0.709	**1.100**
10/30/09	3866.99	34.35	3832.64	No	**5.01**	0.0933	0.713	**1.25**
10/12/11	3866.99	36.02	3830.97	No	**3.5**	0.00678	0.521	0.431
10/12/11 D	3866.99	36.02	3830.97	No	**3.47**	0.00666	0.52	0.407
02/22/12	3866.99	36.85	3830.14	No	**3.75**	0.00125	0.54	**0.626**
02/22/12 D	3866.99	36.85	3830.14	No	**3.65**	<0.00100	0.516	0.593
07/17/12	3868.54	36.70	3831.84	No	**2.68**	<0.00100	0.419	0.262
07/17/12 D	3868.54	36.70	3831.84	No	**2.62**	<0.00100	0.39	0.251
10/03/12	3868.54	37.54	3831.00	No	**2.91**	<0.00100	0.49	**0.667**
10/03/12 D	3868.54	37.54	3831.00	No	**2.97**	<0.00100	0.501	**0.683**
05/15/13	3868.54	37.47	3831.05	0.10				
01/28/14	3868.54	38.90	3830.47	1.00				
06/18/14	3868.54	39.13	3830.17	0.91				
11/18/14	3868.54	40.01	3829.95	1.71				
12/07/15	3868.54	41.09	3829.92	2.98				
04/26/16	3868.54	39.48	3829.76	0.84				
10/24/16	3868.54	39.59	3829.80	1.02				
05/22/17	3868.54	39.80	3829.66	1.11				
11/28/17	3868.54	40.06	3829.52	1.25				
07/17/18	3868.65	40.03	3829.62	1.21				
03/04/19	3868.65	40.33	3,829.38	1.28				
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**							
07/21/06	3867.00	31.84	3835.16	No	**0.034**	0.001	0.001	0.0531
02/07/07	3867.00	31.93	3835.07	No	0.00667	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	No	**1.34**	<0.00100	<0.00100	<0.00300
09/21/08	3867.00			No				
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3867.00	34.42	3832.58	No				
10/13/11	3867.00	36.14	3830.86	No				
02/22/12	3867.00	38.65	3828.35	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.52	36.78	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**							
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				Unable to sample due to silt in pump.			
05/22/17	3868.52	38.93	3829.59	No				
05/24/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3868.52	38.91	3829.61	No				
11/29/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3868.66	39.02	3829.64	No				
07/20/18	3868.66			No	<0.00050	<0.00050	<0.00050	<0.00050
03/07/19	3868.66	39.26	3,829.40	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
07/25/06	3864.14	29.05	3835.09	No	**0.0279**	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	No	**0.0332**	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	No	**0.0147**	<0.00100	0.00422	0.0167
09/20/08	3864.14			No				
09/26/08	3864.14	30.17	3833.97	No	**0.0194**	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	No	**0.0158**	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	No	**0.0138**	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	No	**0.0250**	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	Sheen	**0.0348**	<0.00100	0.0026	<0.00300
07/17/12	3865.67	33.96	3831.73	0.02				
10/03/12	3865.67	34.16	3831.52	0.01				
05/14/13	3865.67	35.96	3829.98	0.32				
01/27/14	3865.67	35.22	3830.47	0.03				
06/17/14	3865.67	35.54	3830.13	Sheen				
11/18/14	3865.67	35.64	3830.03	Sheen				
12/07/15	3865.67	35.76	3829.92	0.01				
04/26/16	3865.67	36.00	3829.68	0.01				
10/24/16	3865.67	35.84	3829.83	(d)				
05/22/17	3865.67	Dry		No				
11/28/17	3865.67	36.11	3829.56	No				
07/17/18	3865.76	Dry		No				
03/04/19	3865.76	Dry		No				
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	No	0.00561	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80			No				
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653
10/12/11	3863.80				Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				

TABLE 4
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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/17/12	3865.32	33.80	3831.68	0.19				
10/03/12	3865.32	33.96	3831.58	0.26				
05/14/13	3865.32				Unable to locate - Presumed destroyed.			
01/27/14	3865.32				Unable to locate - Presumed destroyed.			
06/17/14	3865.32				Unable to locate - Presumed destroyed.			
12/07/15	3865.32				Unable to locate - Presumed destroyed.			
04/26/16	3865.32				Unable to locate - Presumed destroyed.			
10/24/16	3865.32				Unable to locate - Presumed destroyed.			
05/22/17	3865.32				Unable to locate - Presumed destroyed.			
11/28/17	3865.32				Unable to locate - Presumed destroyed.			
07/17/18	3865.32				Unable to locate - Presumed destroyed.			
03/04/19	3865.32				Unable to locate - Presumed destroyed.			
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
07/21/06	3868.29	33.48	3834.81	No	0.00137	0.001	0.001	0.003
02/06/07	3868.29	33.60	3834.69	No	0.00170	<0.00100	<0.00100	<0.00300
04/15/08	3868.29	34.10	3834.19	No	0.00254	<0.00100	<0.00100	<0.00300
09/21/08	3868.29			No				
09/26/08	3868.29	34.66	3833.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/05/09	3868.29	35.16	3833.13	No	0.00585	<0.00100	<0.00100	<0.00300
05/18/09	3868.29	35.44	3832.85	No	0.00404	<0.00100	<0.00100	<0.00300
08/19/09	3868.29	35.70	3832.59	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.29	35.93	3832.36	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.29	37.66	3830.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.29	38.49	3829.80	No	0.00136	<0.00100	<0.00100	<0.00300
07/17/12	3869.82	38.30	3831.52	No	0.00529	<0.00100	0.00654	0.0132
10/03/12	3869.82	38.40	3831.50	0.10	**0.135**	0.00971	0.177	**0.829**
05/14/13	3869.82	38.99	3830.88	0.06				
01/28/14	3869.82	40.12	3830.14	0.53				
06/17/14	3869.82	40.22	3829.84	0.29				
11/17/14	3869.82	40.35	3829.64	0.20				
12/07/15	3869.82	40.51	3829.51	0.24				
04/26/16	3869.82	40.68	3829.37	0.28				
10/24/16	3869.82	40.71	3829.33	0.27				
05/22/17	3869.82	40.85	3829.26	0.35				
11/28/17	3869.82	40.80	3829.21	0.23				
07/17/18	3869.90	40.90	3829.27	0.33				
03/04/19	3869.90	41.23	3,829.04	0.44				
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
07/21/06	3868.85	34.10	3834.75	No	**0.0133**	0.001	0.001	0.003
02/06/07	3868.85	34.22	3834.63	No	**0.0115**	<0.00100	<0.00100	<0.00300
04/15/08	3868.85	34.76	3834.09	No	0.00599	<0.00100	<0.00100	<0.00300
09/21/08	3868.85			No				
09/26/08	3868.85	35.34	3833.51	No	0.00635	<0.00100	<0.00100	<0.00300
02/05/09	3868.85	35.84	3833.01	No	0.00409	<0.00100	<0.00100	<0.00300
05/18/09	3868.85	36.12	3832.73	No	0.00348	<0.00100	<0.00100	<0.00300
08/19/09	3868.85	36.40	3832.45	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.85	36.61	3832.24	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3868.85	36.65	3832.20	No				
10/13/11	3868.85	38.30	3830.55	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.85	38.83	3830.02	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3870.38	38.96	3831.42	No	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
10/03/12	3870.38	39.46	3830.92	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3870.38	41.29	3829.09	No				
11/29/17	3870.38			No	0.00051	<0.00050	<0.00050	<0.00050
07/17/18	3870.47	41.27	3829.20	No				
07/20/18	3870.47	41.30	3829.17	No	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3,828.89	No	0.00073	<0.00050	<0.00050	<0.00050
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06			No				
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06			No	<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06			No	<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3,828.79	No				
03/07/19	3869.68	40.71	3,828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**							
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598
09/21/08	3867.74			No				
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				
11/17/14	3869.27	40.50	3829.54	0.93				
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
11/28/17	3869.27	40.58	3829.09	0.48				
07/17/18	3869.40	40.57	3829.21	0.46				
03/04/19	3869.40	40.81	3,828.98	0.47				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
04/30/08	3867.11	29.65	3837.46	No	**3.64**	0.102	0.292	0.499
09/21/08	3867.11			No				
09/26/08	3867.11	33.11	3834.00	No	**9.26**	0.513	**0.972**	**1.71**
02/06/09	3867.11	33.62	3833.49	No	**10.1**	0.554	**1.050**	**1.89**
05/19/09	3867.11	33.88	3833.23	No	**8.44**	0.323	**0.842**	**1.38**
08/19/09	3867.11	34.32	3832.89	0.12	**8.13**	0.305	**0.950**	**2.07**
10/30/09	3867.11	34.45	3832.72	0.07	**9.55**	0.218	**1.03**	**1.75**
10/13/11	3867.11	36.90	3831.00	0.95				
02/22/12	3867.11	37.78	3829.89	0.68				
07/17/12	3868.63	38.85	3831.86	2.50				
10/03/12	3868.63	39.02	3831.67	2.48				
05/14/13	3868.63	38.89	3831.30	1.88				
01/28/14	3868.63	39.91	3830.47	2.11				
06/17/14	3868.63	39.91	3830.19	1.77				
11/18/14	3868.63	41.56	3829.97	3.49				
12/07/15	3868.63	41.31	3829.94	3.16				
04/26/16	3868.63	40.12	3829.79	1.54				
10/24/16	3868.63	39.55	3829.87	0.95				
05/22/17	3868.63	39.91	3828.78	0.07				
11/28/17	3868.63	39.85	3829.62	1.01				
07/17/18	3868.76	39.86	3829.70	0.96				
03/04/19	3868.76	40.17	3,829.44	1.02				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
04/30/08	3866.92	29.48	3837.44	No	**0.0449**	0.00125	0.0231	0.0341
09/21/08	3866.92			No				
09/26/08	3866.92	32.82	3834.10	No	**0.123**	0.00187	0.0164	0.0911
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
10/03/12	3868.47	36.90	3831.57	No	**0.107**	<0.00100	0.0965	0.0179
05/14/13	3868.47	38.39	3831.27	1.43				
01/28/14	3868.47	38.81	3830.55	1.07				
06/17/14	3868.47	38.76	3830.27	0.67				
11/18/14	3868.47	40.75	3830.04	2.79				
12/07/15	3868.47	41.49	3830.03	3.68				
04/26/16	3868.47	40.85	3829.87	2.71				
10/24/16	3868.47	40.86	3830.05	2.94				
05/22/17	3868.47	41.61	3829.72	3.44				
11/28/17	3868.47	40.00	3829.62	1.39				
07/17/18	3868.62	39.25	3829.79	0.50				
03/04/19	3868.62	39.79	3,829.54	0.85				
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
04/30/08	3867.19	29.74	3837.45	No	**1.230**	0.167	0.320	0.554
09/21/08	3867.19			No				
09/26/08	3867.19	33.26	3833.94	0.01	**6.540**	**1.350**	**1.130**	**2.4**
02/15/09	3867.19	33.82	3833.44	0.09				
05/19/09	3867.19	34.20	3833.12	0.16	**3.800**	0.632	**0.848**	**1.8**
08/19/09	3867.19	34.40	3832.91	0.15	**3.850**	**0.892**	**0.799**	**2.25**
10/30/09	3867.19	34.60	3832.69	0.12	**8.96**	0.228	**0.949**	**1.66**
10/13/11	3867.19	38.04	3831.01	2.24				
02/22/12	3867.19	38.41	3830.71	2.32				
07/17/12	3868.74	38.20	3832.03	1.80				
10/03/12	3868.74	39.95	3831.57	3.35				
05/14/13	3868.74	40.11	3831.12	3.00				
01/28/14	3868.74	40.21	3830.47	2.34				
06/17/14	3868.74	39.35	3830.19	0.96				
11/18/14	3868.74	39.76	3830.13	1.39				
12/07/15	3868.74	40.31	3830.25	2.19				
04/26/16	3868.74	39.61	3829.89	0.91				
10/24/16	3868.74	38.70	3830.41	0.44				
05/22/17	3868.74	38.92	3829.84	0.02				
11/28/17	3868.74	38.96	3830.03	0.30				
07/17/18	3868.86	39.33	3829.79	0.31				
03/04/19	3868.86	39.63	3,829.51	0.34				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
04/30/08	3867.02	29.95	3837.07	No	0.00321	<0.00100	0.0237	0.0376
09/21/08	3867.02			No				
09/26/08	3867.02	32.94	3834.08	No	0.00317	<0.00100	0.0253	0.0790
02/06/09	3867.02	33.39	3833.63	No	**0.0113**	<0.00100	0.0426	0.0634
05/18/09	3867.02	33.73	3833.29	No	0.00670	<0.00100	0.0488	0.0526
08/19/09	3867.02	34.00	3833.02	No	0.00419	<0.00100	0.0251	0.0797
10/30/09	3867.02	34.17	3832.85	No	0.00391	<0.00100	0.0128	0.0564
10/30/09 D	3867.02	34.17	3832.85	No	0.00576	<0.00100	0.0350	0.122
10/13/11	3867.02	35.95	3831.07	No	0.00190	<0.00100	0.0145	0.0342
02/22/12	3867.02	36.45	3830.57	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.54	36.65	3831.89	No	0.00157	<0.00100	0.01860	0.01050
10/03/12	3868.54	37.10	3831.44	No	0.00192	<0.00100	0.06370	0.07700
05/14/13	3868.54	38.05	3831.20	0.86				
01/27/14	3868.54	39.11	3830.67	1.49				
06/17/14	3868.54	39.10	3830.32	1.06				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
11/18/14	3868.54	38.88	3830.44	0.94				
12/07/15	3868.54	38.61	3830.52	0.71				
04/26/16	3868.54	39.23	3830.02	0.85				
10/24/16	3868.54	38.36	3830.61	0.52				
05/22/17	3868.54	39.30	3829.82	0.70				
11/28/17	3868.54	38.79	3830.17	0.51				
07/17/18	3868.68	39.34	3829.87	0.64				
03/04/19	3868.68	39.71	3,829.63	0.79				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
08/19/09	3867.64	35.22	3832.42	No	**1.28**	0.0146	**0.845**	**1.19**
10/30/09	3867.64	35.40	3832.24	No	**1.52**	0.0211	**0.986**	**1.55**
10/13/11	3867.64	37.10	3830.54	No	**0.68**	<0.00100	0.407	0.524
02/22/12	3867.64	37.40	3830.24	No	**0.871**	<0.00100	0.727	**1.16**
07/17/12	3869.14	37.75	3831.39	No	**0.649**	0.00494	0.504	0.438
10/03/12	3869.14	38.20	3830.94	No	**0.825**	0.0103	0.682	**1.22**
05/14/13	3869.14	38.52	3830.62	Sheen				
01/28/14	3869.14	39.14	3830.00	Sheen				
06/17/14	3869.14	39.43	3829.71	Sheen				
11/07/14	3869.14	39.64	3829.50	Sheen				
12/09/15	3869.14	39.72	3829.42	Sheen				
04/26/16	3869.14	38.36	3830.78	Sheen				
10/24/16	3869.14	39.93	3829.21	(d)				
05/22/17	3869.14	40.00	3829.16	0.02				
11/28/17	3869.14	40.09	3829.05	No				
11/29/17	3869.14			No	**0.17**	<0.012	**0.77**	0.27
07/17/18	3869.27	40.08	3829.19	No				
07/18/18	3869.27			No	**0.15**	<0.010	0.72	0.20
03/04/19	3869.27	40.38	3828.89	No				
03/06/19	3869.27	40.20	3,829.07	No	**0.12**	<0.010	0.59	0.052 J,B
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
08/19/09	3867.31	34.45	3832.86	No	**2.40**	0.0206	0.681	**0.836**
10/30/09	3867.31	34.60	3832.71	No	**2.88**	0.0144	**0.779**	**0.703**
10/13/11	3867.31	36.26	3831.05	No	**1.81**	0.00572	0.274	0.108
02/22/12	3867.31	36.59	3830.73	0.01				
07/17/12	3868.79	37.30	3831.82	0.40				
10/03/12	3868.79	38.20	3831.34	0.90				
05/14/13	3868.79	38.23	3831.22	0.80				
01/28/14	3868.79	38.92	3830.53	0.80				
06/17/14	3868.79	38.99	3830.26	0.56				
11/17/14	3868.79	39.12	3830.04	0.44				
12/07/15	3868.79	39.15	3829.92	0.34				
04/26/16	3868.79	39.36	3829.77	0.41				
10/24/16	3868.79	39.19	3829.77	0.21				
05/22/17	3868.79	39.45	3829.62	0.34				
11/28/17	3868.79	39.41	3829.61	0.28				
07/17/18	3868.94	39.50	3829.70	0.31				
03/04/19	3868.94	39.75	3,829.44	0.30				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
08/19/09	3867.26	34.22	3833.04	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.26	34.40	3832.86	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.26	36.08	3831.18	No	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**							
02/22/12	3867.26	37.14	3830.12	No	0.00188	<0.00100	0.192	0.329
07/17/12	3868.75	36.81	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	No				
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	No				
05/24/17	3868.75			No	0.0011	0.00020 J	0.00060	0.0030
11/28/17	3868.75	39.08	3829.67	No				
11/29/17	3868.75			No	0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	No				
07/18/18	3868.90			No	0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3,829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098
12/07/15	3868.97	39.90	3829.83	0.92				
04/26/16	3868.97	40.04	3829.70	0.93				
10/24/16	3868.97	40.50	3829.60	1.36				
05/22/17	3868.97	40.42	3829.53	1.18				
11/28/17	3868.97	39.66	3829.58	0.33				
07/17/18	3869.15	40.48	3829.66	1.19				
03/04/19	3869.15	39.99	3,829.58	0.50				
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	No				
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
05/22/17	3868.89	39.26	3829.73	0.12				
11/28/17	3868.89	39.63	3829.62	0.43				
07/17/18	3869.07	40.05	3829.86	1.01				
03/04/19	3869.07	40.24	3,829.62	0.95				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.73	40.82	3828.91	No				
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	No				
11/29/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	No				
07/18/18	3869.86	40.90	3828.96	No	<0.00050	0.00041 J	<0.00050	<0.00050
03/06/19	3869.86	41.16	3,828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
02/22/12	3867.58	36.77	3830.81	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.08	37.13	3831.95	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.08	37.30	3831.78	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.08	37.88	3831.20	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.08	38.51	3830.57	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.08	38.79	3830.29	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3869.08	39.03	3830.05	No	**0.13**	<0.00100	0.0092	0.065
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150
10/24/16	3869.08	34.35	3834.82	0.11				
05/22/17	3869.08	39.42	3829.75	0.11				
11/28/17	3869.08	39.50	3829.65	0.08				
07/17/18	3869.22	39.46	3829.82	0.07				
03/04/19	3869.22	39.72	3,829.58	0.10				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
02/22/12	3866.60	35.74	3830.89	0.04				
07/17/12	3867.88	39.70	3831.62	4.15				
10/03/12	3867.88	40.09	3831.40	4.35				
05/14/13	3867.88	38.05	3831.35	1.83				
01/28/14	3867.88	41.92	3830.28	5.21				
06/17/14	3867.88	43.09	3830.04	6.33				
11/18/14	3867.88	43.30	3829.98	6.50				
12/07/15	3867.88	42.51	3829.94	5.50				
04/27/16	3867.88	41.39	3829.54	3.68				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	1.80				
11/28/17	3867.88	40.54	3830.11	3.34				
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3,829.39	1.80				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
02/22/12	3867.61	37.00	3830.61	No	**8.7**	**1.12**	**0.911**	**2.7**
07/17/12	3868.99	37.84	3831.58	0.52				
10/03/12	3868.99	38.92	3830.91	1.01				
05/14/13	3868.99	40.02	3830.99	2.43				
01/28/14	3868.99	41.72	3830.26	3.60				
06/17/14	3868.99	41.74	3829.99	3.30				
11/17/14	3868.99	41.45	3829.77	2.69				
12/07/15	3868.99	40.96	3829.73	2.05				
04/26/16	3868.99	40.00	3829.57	0.70				
10/24/16	3868.99	41.03	3829.53	1.89				
05/22/17	3868.99	41.13	3829.42	1.88				
11/28/17	3868.99	41.57	3829.34	2.31				
07/17/18	3869.14	40.20	3829.52	0.70				
03/04/19	3869.14	40.99	3,829.27	1.35				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
02/22/12	3867.59	37.28	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.98	37.90	3831.08	No	0.00177	<0.00100	<0.00100	<0.00300
10/03/12	3868.98	37.93	3831.05	No	0.00236	<0.00100	<0.00100	<0.00300
05/15/13	3868.98	38.37	3830.61	No	**0.0153**	<0.00017	<0.00019	<0.00018
01/29/14	3868.98	39.01	3829.97	No	**0.0129**	<0.00017	<0.00019	<0.00058
06/18/14	3868.98	39.30	3829.68	No	0.000672 J	<0.00017	<0.00019	<0.00038
11/19/14	3868.98	39.55	3829.43	No	0.0033	<0.00100	<0.00100	<0.002
12/08/15	3868.98	39.58	3829.40	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	No				
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	No				
05/24/17	3868.98			No	**0.037**	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	No				
11/29/17	3868.98			No	0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	No				
07/18/18	3869.15			No	**0.12**	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3,829.01	0.55				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.12	39.63	3829.49	No				
07/19/18	3869.12	39.60	3829.52	No	<0.00050	0.00025 J	<0.00050	<0.00050
03/06/19	3869.12	39.85	3,829.27	No	0.000083 J	<0.00050	<0.00050	<0.00050
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.32	39.65	3829.67	No				
07/19/18	3869.32			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.36	39.52	3829.84	No				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.10	39.10	3830.00	No				
07/19/18	3869.10			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.10	39.44	3,829.66	No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.05	39.90	3829.15	No				
07/19/18	3869.05			No	<0.00050	0.00039 J	<0.00050	0.0010
03/07/19	3869.05	40.16	3,828.89	No	0.00044 J	<0.00050	0.00065	0.0019 J
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3870.35	41.28	3829.07	No				
07/19/18	3870.35			No	0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3,829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B
Field Point SB-1GW	**Grab Groundwater Sample**							
10/28/11				No	0.00719	<0.00100	<0.00100	<0.00300
Field Point SB-2GW	**Grab Groundwater Sample**							
10/28/11				No	**1.88**	0.0938	0.138	0.26
Field Point SB-3GW	**Grab Groundwater Sample**							
10/28/11				No	**1.94**	**2.42**	**0.986**	**2.27**
Field Point SB-4GW	**Grab Groundwater Sample**							
10/28/11				No	**3.91**	0.0703	0.587	**1.15**
Field Point SB-5GW	**Grab Groundwater Sample**							
10/28/11				No	**2.9**	0.024	0.034	0.218
Field Point SB-6GW	**Grab Groundwater Sample**							
10/28/11				No	0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11				No	**0.135**	0.00135	0.0263	0.0759

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**												
07/24/06	<0.00101	<0.00101	0.141	0.0165	**0.00260**	0.000971	<0.000202	0.00128	0.0111	<0.000202	0.0788	0.00614	<0.000202
02/08/07	<0.00105	<0.00526	<0.00526	0.00603	<0.000105	0.00267	<0.000211	0.000886	0.00615	0.0104	0.153	0.0153	<0.000211
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
05/19/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
08/19/09	<0.0200	<0.100	0.0871 R12	0.162 R1	<0.00200	0.0369	0.0358 R1	0.0321 R1	0.323	0.0550 R1	1.660 R1	0.0895	0.0210
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000992	<0.000200	0.00634 R1	0.00163	<0.000200
10/12/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**												
07/25/06	<0.000939	<0.00217	0.228	0.0300	**0.00533**	0.0173	0.000665	0.00101	0.0420	0.00186	0.155	0.00823	<0.000188
02/08/07	<0.00109	<0.00543	0.142	0.0128	<0.000109	0.00297	<0.000217	0.00150	0.00802	0.0156	0.0491	0.0174	<0.000217
09/26/08	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
08/19/09	<0.00513	<0.0256	0.0783 R12	0.157	<0.000513	0.0318 R1	0.0357 R1	0.0269 R1	0.311	0.0530 R1	0.673 R1	0.0992	0.0216
10/30/09	<0.00100	<0.00500	<0.00100	0.00507 R1	0.000684 R1	0.00124 R1	0.00133 R1	0.00166 R1	0.0104	0.00390 R1	0.0400 R1	0.00407	<0.000200
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**												
07/24/06	<0.00106	<0.00106	0.127	0.0160	**0.00245**	0.000869	<0.000213	0.00131	0.0113	<0.000213	0.0772	0.00575	<0.000213
02/08/07	<0.00111	<0.00556	0.0914	0.00885	**0.00172**	0.00209	<0.000222	0.00121	0.00849	0.0136	0.0437	0.012	<0.000222
09/26/08	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
08/19/09	<0.00103	<0.00513	0.00966 R12	0.0234 R1	**0.00225 R1**	0.00490 R1	0.00422 R1	0.00416 R1	0.0461	0.00630 R1	0.0907 R1	0.00825	0.00271
10/30/09	<0.000990	<0.00495	0.00168 R12	0.00741 R1	0.000418 R1	0.00208 R1	0.00254 R1	0.00286 R1	0.0147	0.00554 R1	0.0537 R1	0.00478	<0.000198

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS		**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**													
07/25/06		<0.000939	0.0026	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	0.000947	<0.000188
02/07/07		<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	0.0168	0.0023	<0.000208
04/15/08		<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/26/08		<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
05/19/09		<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
08/19/09		<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.00217	<0.000194	0.00365 R1	0.00126	0.000459 R1
10/30/09		<0.000990	<0.00495	<0.000990	0.0124 R1	<0.000099	0.00316 R1	0.00467 R1	0.00399 R1	0.00447	0.00919 R1	0.103 R1	0.0092	<0.000198
Field Point MW-5	**Well Screen Interval (feet): 27.19-47.19**													
07/20/06		<0.00472	0.00565	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	0.000356	<0.000189	0.00309	<0.000472	<0.000189
02/07/07		<0.00118	<0.00588	0.0113	<0.000235	<0.000118	<0.000118	<0.000235	<0.000165	<0.000118	<0.000235	0.00227	0.00233	<0.000235
04/15/08		<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/26/08		<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
05/19/09		<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
08/19/09		<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	0.000639	<0.000194	0.00253 R1	0.00241	<0.000194
08/19/09	D	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	0.000191 R1	<0.000196	<0.000137	0.000994	<0.000196	0.00269 R1	0.00206 R1	<0.000196
10/30/09		<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	0.000313	<0.000204	0.00349 R1	0.00213	<0.000204
10/12/11		0.000367	0.000178	0.000144	0.000122	0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.00167	<0.000111
07/17/12		<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00202	<0.00190
07/17/12	D	<0.00190	<0.00190	0.00214	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00218	<0.00190	<0.00190
10/03/12		<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	0.00253	<0.00196
10/03/12	D	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00249	<0.00189

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**												
07/21/06	<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	<0.0000943	<0.000189	<0.000189	<0.000472	<0.000189
02/07/07	<0.00111	<0.00556	<0.00111	<0.000222	<0.000111	<0.000111	<0.000222	<0.000156	<0.000111	<0.000222	<0.000222	0.000637	<0.000222
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
09/26/08	<0.00943	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
11/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
10/13/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.0002	<0.0000187
01/28/14	0.0000215 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000178	<0.0000188
06/18/14	0.0000949	<0.0000284	<0.0000284	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000284	0.0000517 J	<0.000019
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000168	<0.0000952
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000101	<0.0000952
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**												
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188
02/07/07	<0.00109	<0.00543	<0.00109	<0.000217	<0.000109	<0.000109	<0.000217	<0.000152	<0.000109	<0.000217	<0.000217	0.000772	<0.000217
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
05/18/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00135	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.00149	<0.000200
10/13/11	0.000116	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.000547	<0.000105
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**												
07/25/06	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188
02/07/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208
04/15/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00101	<0.000205
10/30/09	<0.00100	<0.00500	<0.00100	>0.000200	<0.000100	0.0001	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.0012	<0.000200
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**												
07/21/06	<0.00099	0.001	<0.00099	<0.000198	<0.00099	<0.00099	<0.000198	<0.000139	<0.00099	0.000198	<0.000198	<0.000495	<0.000198
02/06/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**												
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/13/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000295	<0.0000952
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	0.017	0.00713	<0.00377	0.0271	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	0.005	0.0768	<0.00377
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**												
07/21/06	0.001	0.001	0.001	<0.000200	<0.0001	<0.0001	<0.000200	<0.00014	<0.0001	<0.000200	<0.000200	0.000892	<0.000200
02/06/07	<0.00110	<0.00549	<0.00110	<0.000220	<0.000110	<0.000110	<0.000220	<0.000154	<0.000110	<0.000220	<0.000220	0.000831	<0.000220
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
11/19/09	<0.00105	<0.00526	<0.00105	<0.000211	<0.000105	<0.000105	<0.000211	<0.000147	<0.000105	<0.000211	<0.000211	0.000683	<0.000211
10/13/11	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.000104	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00021	<0.0000187
05/15/13 D	0.0000462 J	<0.0000374	0.000024 J	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00033	<0.0000187

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-10 **Well Screen Interval (feet): 28.08-43.08**													
01/29/14	0.0000594 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000258	<0.0000188
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00021	<0.0001
11/19/14 D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	0.00021	<0.000094
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	<0.00020
Field Point MW-11 **Well Screen Interval (feet): 29.00-44.00**													
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/30/09	<0.000990	<0.00495	<0.000990	<0.000198	<0.000099	<0.000099	<0.000198	<0.000139	<0.000099	<0.000198	<0.000198	<0.000495	<0.000198
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/28/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000191	<0.0000287	<0.0000287	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000287	<0.0000191	<0.0000191
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**												
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00015 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00022	<0.00019
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**												
04/30/08	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000145	<0.000200	0.00136 R1	0.00203	<0.000200
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	0.00270 R1	0.00169	<0.000204
10/13/11	0.000337	0.000149	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00197	<0.000099
02/22/12	0.000123	0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00115	<0.0000943
07/17/12	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980
05/19/09	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**												
08/19/09	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	0.000578	0.000915 R1	<0.000144	0.00515	<0.000205	0.0118 R1	0.00424	<0.000205
10/30/09	<0.000971	<0.00485	<0.000971	0.00309 R1	<0.0000971	0.000598 R1	0.00123 R1	<0.000136	0.00642	0.00300 R1	0.0247 R1	0.00331	<0.000194
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	0.000797	<0.000194
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	0.000172	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00165 R1	0.00123	<0.000200
10/13/11	0.0002	<0.0000952	0.000429	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.00114	<0.0000952
02/22/12	0.000222	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.0013	<0.000111
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	0.000857	<0.000205	0.00315 R1	0.00229	<0.000205
10/30/09	<0.000980	<0.00490	<0.000980	0.00384 R1	<0.000098	0.000723 R1	0.00128 R1	0.00191 R1	0.00786	0.00345 R1	0.0300 R1	0.00380	<0.000196
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**												
04/30/08	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**												
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00109	<0.000205
10/13/11	0.000238	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.0017	<0.0000952
02/22/12	0.000217	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00153	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000315	0.00144	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	**0.000774 R1**	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00290 R1	0.00180	<0.000200
10/13/11	0.000307	0.000515	0.0016	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00178	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0016	<0.00019
07/18/18	0.000077 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0015	<0.00019
03/06/19	0.00016 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0017	<0.00019
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**												
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**												
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**												
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000190	<0.0000284	<0.0000284	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000284	<0.0000190	<0.0000190
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**												
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000194	<0.0000291	<0.0000291	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000291	<0.0000194	<0.0000191
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**												
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192
05/15/13	<0.000019	<0.0000381	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000286	<0.000019	<0.000019	<0.000019	<0.0000381	<0.000019	<0.000019

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**												
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	0.0000932 J	<0.0000188	<0.0000188
06/18/14	<0.0000204	<0.0000306	<0.0000306	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000306	<0.0000204	<0.0000204
11/18/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000220	<0.000190
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000280	<0.0000939
Field Point MW-25	**Well Screen Interval (feet): 28.00-43.00**												
02/22/12	0.000168	0.000179	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.00232	<0.000105
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**												
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000189	<0.0000283	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**												
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**												
03/06/19	0.00010 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	<0.00020
Field Point SB-1GW	**Grab Groundwater Sample**												
10/28/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962
Field Point SB-2GW	**Grab Groundwater Sample**												
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.00034	<0.0000971
Field Point SB-3GW	**Grab Groundwater Sample**												
10/28/11	0.0005	0.000167	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00165	<0.000098
Field Point SB-4GW	**Grab Groundwater Sample**												
10/28/11	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000216	<0.000098
Field Point SB-5GW	**Grab Groundwater Sample**												
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098
Field Point SB-6GW	**Grab Groundwater Sample**												
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
Field Point SB-7GW	**Grab Groundwater Sample**												
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**					
07/24/06	0.00434	0.0246	0.0639 (a)	0.194	0.109	**0.3669**
02/08/07	0.0489	0.0493	0.139 (a)	0.178	0.300	**0.6170**
09/26/08	<0.0100	<0.0100	0.0553	0.0400	0.0522	**0.1475**
05/19/09	<0.0100	<0.0100	0.0461	0.0313	0.0403	**0.1177**
08/19/09	1.620 R1	1.470 R1	0.627 (c)	3.940 R1	1.940	**6.507 R1**
10/30/09	0.0132 R1	0.00554 R1	0.0746 (c)	0.118 R1	0.0573	**0.250 R1**
10/12/11	<0.0000952	<0.0000952				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**					
07/25/06	0.0603	0.0333	0.0211 (a)	0.163	0.0696	**0.2537**
02/08/07	0.232	0.075	0.0208 (a)	0.258	0.238	**0.5168**
09/26/08	<0.0971	<0.0971	0.117	0.201	0.287	**0.0484**
08/19/09	1.660 R1	1.410 R1	0.730 (c)	5.070 R1	2.750	**8.550 R1**
10/30/09	0.0382 R1	0.0545 R1	0.0514 (c)	0.0975 R1	0.0781	**0.227 R1**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**					
07/24/06	0.0357	0.0182	0.0315 (a)	0.161	0.0752	**0.2677**
02/08/07	0.191	0.0557	0.053 (a)	0.220	0.255	**0.5280**
09/26/08	<0.0105	<0.0105	0.0146	0.0154	0.0162	**0.0462**
05/19/09	<0.0105	<0.0105	0.0164	0.0199	0.0215	**0.0578**
08/19/09	0.146 R1	0.161 R1	0.0353 R1 (c)	0.245	0.0885	**0.3688 R1**
10/30/09	0.0451 R1	0.0738 R1	0.00943 (c)	0.153 R1	0.0482	**0.211 R1**
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**					
07/25/06	<0.000469	<0.000188	0.0227 (a)	0.0373	0.0286	**0.0886**
02/07/07	0.00901	0.0117	0.027 (a)	0.0553	0.147	**0.2293**
04/15/08	<0.00990	<0.00990	0.0406	0.0320	0.0428	**0.1154**
09/26/08	<0.00980	<0.00980	0.0397	0.0271	0.0392	**0.1060**
05/19/09	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.1578

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS		**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-4		**Well Screen Interval (feet): 23.97-38.97**					
08/19/09		0.0143 R1	0.00854 R1	0.0369 (c)	0.0578	0.0509	**0.1456**
10/30/09		0.0949 R1	0.158 R1	0.0645 (c)	0.311 R1	0.163	**0.539 R1**
Field Point MW-5		**Well Screen Interval (feet): 27.19-47.19**					
07/20/06		0.00483	<0.000189	0.0589 (a)	0.0914	0.0563	**0.2066**
02/07/07		0.0075	0.0037	0.117 (a)	0.105	0.218	**0.4400**
04/15/08		<0.00990	<0.00990	0.0693	0.0451	0.0547	**0.1691**
09/26/08		<0.0962	<0.0962	0.074	0.0443	0.605	**0.1671**
05/19/09		<0.0526	<0.0526	0.0873	0.0573	0.0676	**0.2122**
08/19/09		0.0194 R1	0.00619 R1	0.105 (c)	0.189 R1	0.103	**0.397**
08/19/09	D	0.0192 R1	0.00682 R1	0.0954 (c)	0.171 R1	0.0707	**0.3371 R1**
10/30/09		0.0127 R1	0.00378 R1	0.0191 (c)	0.0375 R12	0.0641	**0.121 R12**
10/12/11		0.00146	0.000111	0.0402 (b)	0.0216	0.0287	**0.0905**
07/17/12		<0.00190	<0.00190	0.0558	0.0229	0.0248	**0.1035**
07/17/12	D	0.00214	<0.00190	0.0568	0.0245	0.0270	**0.1083**
10/03/12		0.00241	<0.00196	0.0771	0.0296	0.0310	**0.1377**
10/03/12	D	0.00218	<0.00189	0.0833	0.0265	0.0299	**0.1397**
Field Point MW-6		**Well Screen Interval (feet): 27.05-42.05**					
07/21/06		<0.000472	<0.000189	<0.000943 (a)	<0.000943	0.00641	0.006410
02/07/07		<0.000556	<0.000222	<0.00111 (a)	<0.00111	<0.00111	<0.00333
04/15/08		<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.02970
09/26/08		<0.0962	<0.0962	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09		<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
11/19/09		<0.000490	<0.0.000196	<0.000980	<0.000980	<0.000980	BDL
10/13/11		<0.0000962	<0.0000962				
07/17/12		<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12		<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**					
05/15/13	0.0000764 J	<0.0000561	0.0000629 J	<0.00000935	<0.00000935	0.0000629 J
01/28/14	0.0000523 J	<0.0000188	0.0000523 J	<0.0000188	<0.0000282	0.0000993
06/18/14	0.0000518 J	<0.000019	0.000634	0.000239 B	0.000355 B	0.001228 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**					
07/25/06	<0.000469	<0.000188	0.00383 (a)	0.00855	0.00879	0.02117
02/07/07	<0.000543	<0.000217	0.00284 (a)	0.0215	0.0150	**0.03934**
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
08/19/09	<0.000500	0.000665	0.00227 (c)	0.00400	<0.00100	0.00627
10/30/09	<0.000500	0.000609 R1	<0.00100 (c)	0.00873 R1	0.00372	0.0125 R1
10/13/11	0.000147	<0.000105	0.000537	0.000611	0.000558	0.001706
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**					
07/25/06	<0.000469	<0.000188	<0.000939 (a)	0.00472	<0.000939	0.004720
02/07/07	<0.000521	<0.000208	<0.00104 (a)	0.0201	0.0113	**0.03140**
04/15/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.02940
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000513	0.000657	<0.00103 (c)	0.00674 R1	0.00354 R1	0.01028 R1
10/30/09	0.0005	0.000518	<0.00100 (c)	0.0101 R1	0.00430	0.0144 R1

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date		Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS		**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-9		**Well Screen Interval (feet): 27.64-42.64**					
07/21/06		<0.000495	<0.000198	<0.00099 (a)	<0.00099	<0.00099	<0.00297
02/06/07		<0.000521	<0.000208	<0.00104 (a)	0.0148	0.00424	0.01904
04/15/08		<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08		<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09		<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09		<0.000500	0.00101	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11		<0.0000952	<0.0000952	<0.000952	<0.000952	<0.000952	<0.000952
02/22/12		<0.0000952	<0.0000952	0.00143	<0.000952	<0.000952	0.00143
07/17/12		<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12		0.0941	0.00931	0.0676	0.537	0.795	**1.3996**
Field Point MW-10		**Well Screen Interval (feet): 28.08-43.08**					
07/21/06		<0.0005	<0.000200	<0.001 (a)	0.001	0.001	0.001
02/06/07		<0.00549	<0.000220	<0.00110 (a)	<0.00110	<0.00110	<0.00330
04/15/08		<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08		<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
05/18/09		<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09		<0.000490	<0.000196	<0.000980 (c)	<0.000980	0.00268	0.00268
11/19/09		<0.000526	0.000935 R1	<0.00105 (c)	0.0202 R1	0.0142 R1	**0.0344 R1**
10/13/11		<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943
07/17/12		<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12		<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
05/15/13		0.0000876 J	<0.0000561	0.0000706 J	<0.00000935	<0.00000935	0.0000706 J
05/15/13	D	<0.0000561	<0.0000561	0.0000757 J	<0.00000935	<0.00000935	0.0000757 J
01/29/14		<0.0000282	<0.0000188	0.0000594 J	<0.0000188	<0.0000282	0.0000594 J
11/19/14		<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/19/14	D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
05/24/17		<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**					
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**					
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
10/30/09	<0.000495	<0.000198	<0.00099 (c)	<0.00099	<0.00099	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
05/15/13	<0.0000561	<0.0000561	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
01/28/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000287	<0.0000191	0.000425	<0.0000191	<0.0000287	0.000425
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	0.00033	<0.00019	0.00022	0.0010	0.0013	0.00252
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**					
04/30/08	<0.010	<0.010	0.0327	0.0316	0.0241	**0.0884**
09/26/08	<0.00943	<0.00943	0.0909	0.0512	0.0613	**0.2034**
05/19/09	<0.00952	<0.00952	0.0726	0.0434	0.0534	**0.1694**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**					
08/19/09	<0.000500	<0.000200	0.12 (c)	0.159 R1	0.0808	**0.3598 R1**
10/30/09	0.0111 R1	0.00257 R1	0.0236 (c)	0.0283 R1	0.0708	**0.123 R1**
10/13/11	0.00165	<0.000099	0.0879	0.0406	0.063	**0.1915**
02/22/12	0.000991	<0.0000943	0.0659	0.0244	0.0396	**0.1299**
07/17/12	<0.002	<0.002	0.0653	0.0357	0.0394	**0.1404**
10/03/12	<0.00189	<0.00189	0.129	0.0464	0.0602	**0.2356**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**					
04/30/08	<0.00971	<0.00971	0.0366	0.0279	0.0329	**0.0974**
09/26/08	<0.0980	<0.0980	0.0986	<0.00980	<0.00980	**0.0986**
05/19/09	<0.0476	<0.0476	0.121	0.0712	0.0888	**0.281**
08/19/09	0.0458 R1	0.0277 R1	0.120 (c)	0.291 R1	0.147	**0.558 R1**
10/30/09	0.0238 R1	0.0369 R1	0.0212 (c)	0.0325 R1	0.0743	**0.128 R1**
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**					
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00980	<0.00980	0.0120	0.0103	0.0108	**0.0331**
05/19/09	<0.00952	<0.00952	0.00956	<0.00952	<0.00952	0.00956
08/19/09	0.00411 R1	0.00109	0.00923 (c)	0.0547 R1	0.0172	**0.08113 R1**
10/30/09	0.00441 R1	0.00135 R1	0.00998 (c)	0.0506 R1	0.0186	**0.0792 R1**
10/13/11	0.000381	<0.0000952	0.00579	0.00459	0.00418	0.01456
02/22/12	0.000644	<0.000111	0.0071	0.00479	0.00428	0.01617
07/17/12	<0.00190	<0.00190	0.0137	0.00521	0.005	0.02391
10/03/12	<0.00189	<0.00189	0.0118	0.00625	0.0072	0.02525
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**					
04/30/08	<0.00971	<0.00971	0.0367	0.0318	0.0395	**0.108**
09/26/08	<0.00980	<0.00980	0.0902	0.0636	0.0825	**0.2363**
05/19/09	<0.0105	<0.0105	0.0658	0.0380	0.0484	**0.1522**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**					
08/19/09	0.0196 R1	0.00753 R1	0.1690 (c)	0.202 R1	0.118	**0.489 R1**
10/30/09	0.0282 R1	0.0435 R1	0.0274 (c)	0.0407 R1	0.0225	**0.0906 R1**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**					
04/30/08	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0309
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.000513	0.000979 R1	0.00429 R1 (c)	0.00603 R10	0.0127 R1	0.02302 R10, R1
10/13/11	0.000343	<0.0000952	0.00154	0.00158	0.00124	0.00436
02/22/12	0.000292	<0.0000943	0.00122	0.00113	0.00090	0.003245
07/17/12	<0.00190	<0.00190	<0.00500	0.00229	<0.00190	0.00229
10/03/12	<0.00189	<0.00189	0.00855	0.00429	<0.00189	0.01284
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**					
08/19/09	0.0102 R1	<0.000200	0.134 (c)	0.188 R1	0.0768	**0.3988 R1**
10/30/09	0.0121 R1	0.00284 R1	0.134 (c)	0.193 R1		**0.327 R1**
10/13/11	<0.000099	<0.000099	0.0798	0.0364	0.0556	**0.1718**
07/17/12	<0.00190	<0.00190	0.0429	0.0256	0.0306	**0.0991**
10/03/12	<0.00189	<0.00189	0.0865	0.0325	0.0402	**0.1592**
11/29/17	0.0013	<0.00019	0.044	0.022	0.028	**0.094**
07/18/18	0.00073	<0.00019	0.053	0.026	0.028	**0.107**
03/06/19	0.0010	<0.00019	0.062	0.030	0.037	**0.067**
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**					
08/19/09	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
10/30/09	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
08/19/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.00003	<0.00002	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	0.00018 J	<0.00019	0.00045	0.0013	0.00025	0.002
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**					
08/19/09	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.000476	<0.000190	<0.000952 (c)	<0.000952	<0.000952	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**					
08/19/09	<0.000490	<0.000196	<0.000980 (c)	0.00156	<0.000980	0.00156
10/30/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.00009
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000284	<0.0000190	0.000155 B	<0.000019	<0.0000284	0.000155 B
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**					
10/30/09	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	0.0000541 J	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000291	<0.0000194	0.000278 B	<0.0000194	<0.0000291	0.000278 B
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**					
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**					
02/22/12	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00192	<0.00192	<0.00500	<0.00192	<0.00192	<0.00500
05/15/13	<0.0000571	<0.0000571	<0.000019	<0.00000952	<0.00000952	<0.000019
01/29/14	0.0000687 J	0.0000724 J	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000306	<0.0000204	0.0000606 J B	<0.0000204	<0.0000306	0.000606 J B
11/18/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.000190	<0.000190	0.0125	0.00669	0.00559	0.02478
04/27/16	0.000177 B	<0.0000939	0.00754	0.00497	0.00409	0.0166
Field Point MW-25	**Well Screen Interval (feet): 28.00-43.00**					
02/22/12	0.0018	<0.000105	0.0939	0.0427	0.0688	**0.2054**
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**					
02/22/12	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000282	<0.0000188	0.0000818 J	0.000048 J	<0.0000282	0.0001298
06/18/14	<0.0000283	<0.0000189	0.000394 B	<0.0000189	<0.0000283	0.000391 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	0.000370	0.000130	0.0000991	0.0005991
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	0.00020	0.00018 J	0.00015 J	0.00053

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**					
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/06/19	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085
Field Point SB-1GW	**Grab Groundwater Sample**					
10/28/11	0.000452	<0.0000962	0.000115	0.000462	0.000144	0.000721

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point SB-2GW	**Grab Groundwater Sample**					
10/28/11	0.000359	<0.0000971	0.00922	0.00625	0.00883	0.0243
Field Point SB-3GW	**Grab Groundwater Sample**					
10/28/11	0.00168	<0.000098	0.0835	0.039	0.0606	**0.1831**
Field Point SB-4GW	**Grab Groundwater Sample**					
10/28/11	0.000363	<0.000098	0.0137	0.0084	0.00967	**0.03177**
Field Point SB-5GW	**Grab Groundwater Sample**					
10/28/11	0.000559	<0.000098	0.0499	0.0182	0.0269	**0.095**
Field Point SB-6GW	**Grab Groundwater Sample**					
10/28/11	0.0000971	<0.0000971	0.000505	0.000291	0.000437	0.001233
Field Point SB-7GW	**Grab Groundwater Sample**					
10/28/11	0.000495	<0.0000971	0.0047	0.00281	0.00367	0.01118

TABLE 5

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-1	**Well Screen Interval (feet):**		**22.71-42.71**									
07/24/06	0.0295	**4.82**	0.0018	0.0126	<0.00500	0.000303	<0.0100	<0.00500	10.9	1.82	743	900
02/08/07	0.0304	**5.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.8	1.24	621	<100
09/21/08	0.0256	**7.52**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	1.63	1.28	913	
05/19/09	0.0265	**8.72**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.41	<1.00	952	962
08/19/09	0.0303	**7**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.25	<1.00	979	940
10/30/09	0.0246	**8.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.83	3.54	917	780
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**									
07/25/06	0.0469	0.958	0.0021	0.0140	<0.00500	<0.000200	<0.0100	0.0057	30.6	2.11	668	900
02/08/07	0.0348	0.764	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32	3.9	634	440
09/22/08	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.4	3.57	669	622
08/19/09	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	31.2	2.74	649	742
10/30/09	0.0208	**8.57**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	0.005	15.1	1.08	752	480
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
07/24/06	0.057	**3.33**	0.0015	0.0098	<0.00500	<0.000200	<0.0100	<0.00500	21.2	8.35	773	880
02/08/07	0.0505	**3.44**	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	31.6	33.4	708	540
09/22/08	0.0380	**6.09**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	26.7	2.64	876	744
05/19/09	0.0397	**6.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.7	2.66	883	858
08/19/09	0.0302	**6.56**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.4	<1.00	880	802
10/30/09	0.0316	**5.91**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	<0.00500	21.4	<1.00	842	670
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**									
07/25/06	0.034	**7.34**	0.0016	0.0122	<0.00500	<0.000200	<0.0100	<0.00500	20.7	<1.00	850	**1000**
02/07/07	0.0617	**8.00**	<0.00100	**0.0615**	0.0201	<0.000200	<0.0100	<0.00500	15.1	1.09	2290	<100
04/15/08	0.0140	**7.47**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.2	<1.00	1060	**1180**
09/21/08	0.0156	**7.74**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.7	1.31	792	774
05/19/09	0.0162	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.4	3.08	802	854
08/19/09	0.0133	**8.19**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.9	<1.00	807	860
10/30/09	0.0224	**8.64**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12.2	<1.00	782	660
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**									
07/20/06	0.0661	**1.71**	<0.00100	**0.177**	0.0151	0.000220	<0.0100	<0.00500	6.11	<1.00	1250	712

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**									
02/07/07	0.0526	**1.96**	<0.00100	**0.0599**	0.0105	<0.000200	<0.0100	<0.00500	6.58	1.56	1130	610
04/15/08	0.0440	**3.02**	0.0017	0.0167	<0.00500	<0.000200	<0.0100	<0.00500	6.34	<1.00	976	736
09/21/08	0.0370	**3.07**	0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.62	1.54	841	
05/19/09	0.0336	**3.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.81	<1.00	837	792
08/19/09	0.031	**3.68**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.02	<1.00	856	752
08/19/09 D	0.0322	**3.71**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.93	<1.00	847	760
10/30/09	0.0284	**3.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.61	<1.00	797	**1540**
10/12/11	0.0353	**4.8**	<0.00100	<0.00500	0.007	<0.000200	<0.0100	<0.00500	5.03	1.4		
07/17/12	0.0234	**4.9**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	1.18	720	753
07/17/12 D	0.0252	**5.08**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.42	1.21	721	760
10/03/12	0.0238	**4.48**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.46	<1.00	726	740
10/03/12 D	0.0233	**4.62**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.47	<1.00	732	749
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
07/21/06	<0.0100	0.168	<0.00100	<0.00500	<0.00500	0.000207	<0.0100	<0.00500	6.28	63.2	524	660
02/07/07	0.0397	**3.19**	<0.00100	**0.0822**	0.0307	0.00172	<0.0100	<0.00500	6.6	<2.00	2930	325
04/15/08	0.0199	0.610	0.0020	0.0213	0.00805	0.000467	0.0106	<0.00500	5.38	42.7	1650	548
09/21/08	<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.75	34.5	528	440
05/18/09	<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.90	37.2	567	234
08/19/09	<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.11	33.0	519	568
10/30/09	<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.03	31.1	475	470
10/13/11	<0.0100	0.112	<0.00100	<0.00500	0.0057	<0.000200	<0.0100	<0.00500	5	26.3		
07/17/12	<0.0100	0.127	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.23	24.6	452	571
10/03/12	<0.0100	0.121	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.91	26.4	446	566
05/15/13	<0.0047	0.14	<0.000200	<0.0012	0.0135	<0.00015	0.0081 J	<0.0013	4.67	<25	483	625
01/28/14	0.01	0.144	<0.000200	<0.0012	0.0059	<0.00015	<0.0064	<0.0013	5.04	26.2	512	597 B
06/18/14	<0.0072	0.138	0.0006 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	5.32 B	26.5	483	615
11/19/14	<0.0100	0.15	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.5	25	470	660
12/08/15	0.0149	0.226	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.56	18.4	502	581
04/26/16	0.0309	0.351	<0.00100	**0.364**	0.0127	<0.000200	<0.0100	<0.00500	4.87	16.2	520	565
05/24/17	0.0273	0.375	<0.0100	0.00788 J	<0.0100	0.000342	<0.0150	<0.00500	4.6	13	482	545
11/29/17	<0.0100	0.212	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	13	19	460	570
07/20/18	0.0284	0.288	<0.0100	0.00674 J	0.00430 J	0.000190 B,J	0.0344	<0.00500	4.6	180	430	525

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
03/07/19	<0.100	0.244	<0.0100	<0.0500	0.0138 J	0.00139	<0.100	<0.0100	4.7	20	430	505
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**									
07/25/06	<0.0100	0.679	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.5	<1.00	641	800
02/07/07	0.0583	**2.46**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.4	4.48	654	200
04/15/08	0.0513	**3.00**	0.0015	0.0051	<0.00500	<0.000200	<0.0100	<0.00500	13.6	1.46	710	744
09/20/08	0.0407	**1.92**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	3.16	680	710 B
05/18/09	0.0395	**1.88**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.7	3.10	672	748
08/19/09	0.0137	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.2	3.06	673	720
10/30/09	0.0112	**2.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	16.5	3.26	645	500
10/13/11	0.014	**2.34**	<0.00100	<0.00500	0.0054	<0.000200	<0.0100	<0.00500	14.5	3.74		
Field Point MW-8	**Well Screen Interval (feet):**		**23.05-38.05**									
07/25/06	0.0153	0.328	0.0012	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.1	8.01	593	810
02/07/07	0.0342	0.929	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.5	22.2	707	510
04/15/08	0.035	**1.22**	0.0015	0.0078	<0.00500	<0.000200	<0.0100	<0.00500	11.6	7.4	716	688
09/20/08	0.0211	0.773	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.5	9.30	633	610
05/18/09	0.0174	0.776	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.1	8.68	535	258
08/19/09	<0.0100	**1.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.3	6.57	623	676
10/30/09	<0.0100	**1.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.0	7.46	599	560
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**									
07/21/06	0.0298	0.918	<0.00100	0.0354	0.0078	<0.000200	<0.0100	<0.00500	103	157	1010	900
02/06/07	0.0291	0.284	<0.00100	0.0075	<0.00500	<0.000200	<0.0100	<0.00500	92	89.0	717	**1110**
04/15/08	0.0694	**1.61**	0.0023	0.0473	0.0126	<0.000200	<0.0100	<0.00500	85.5	47.5	2410	684
09/21/08	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	73.3	40.7	572	520
05/18/09	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	61.0	38.3	584	644
08/19/09	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	75.8	37.9	578	744
10/30/09	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	79.3	39.3	534	610
10/13/11	0.0147	0.122	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	101	27.5		
07/17/12	0.0175	0.0972	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	21.8	516	771
10/03/12	0.0277	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**										
07/21/06	<0.0100	0.324	<0.00100	0.0136	<0.00500	0.000822	<0.0100	<0.00500	**500**	85.2	748	**1520**
02/06/07	<0.0100	0.112	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.72	105	602	**1630**
04/15/08	0.0439	0.981	0.0044	**0.0625**	0.0277	0.001950	0.0256	<0.00500	**439**	97.4	3250	**1530**
09/21/08	<0.0100	0.0858	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**414**	79.6	676	**1000**
05/18/09	<0.0100	0.0839	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**430**	74.1	675	**1490**
08/19/09	<0.0100	0.0763	<0.00100	<0.00500	<0.00500	0.000818	<0.0100	<0.00500	**421**	80.8	660	**1510**
10/30/09	<0.0100	0.0781	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**394**	89.7	614	**1370**
10/13/11	<0.0100	0.0656	<0.00100	<0.00500	0.0057	0.000998	<0.0100	<0.00500	**356**	91.7		
07/17/12	0.0108	0.0696	<0.00100	<0.00500	<0.00500	0.000338	<0.0100	<0.00500	**283**	94.0	577	**1400**
10/03/12	<0.0100	0.0672	<0.00100	<0.00500	<0.00500	0.00106	<0.0100	<0.00500	**259**	99.2	595	**1450**
05/15/13	0.0055 J	0.0677	<0.000200	<0.0012	0.0113	<0.00015	<0.0064	<0.0013	218	95.9	585	**1400**
05/15/13 D	0.0091 J	0.0703	<0.000200	<0.0012	0.0104	<0.00015	0.0115	<0.0013	188	95.6	607	**1350**
01/29/14	0.0066 J	0.0632	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	161	88.7	666	**1220 B**
11/19/14	<0.0100	0.059	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	92	590	**1300**
11/19/14 D	<0.0100	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	170	88	600	**1300**
05/24/17	0.00638 J	0.188	<0.0100	0.00742 J	<0.0100	**0.00481**	<0.0150	0.00162 J	130	69	636	**1080**
11/29/17	0.0294	0.321	<0.0100	0.0154	<0.0100	**0.00319**	0.0184	<0.00500	130	67	691	**1080**
07/20/18	<0.0100	0.0986	<0.0100	0.00305 J	0.00666 J	0.000779 B	0.0235	<0.00500	140	100	600	**1110**
03/07/19	<0.100	0.114	<0.0100	<0.0500	0.0128 J	0.000765	<0.100	<0.0100	130	56	580	955
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**										
04/30/08	<0.0100	0.159	<0.00100	<0.00500	<0.00500	0.000224	<0.0100	<0.00500	213	128	528	**1120**
09/21/08	<0.0100	0.0480	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**524**	130	553	**1440**
05/18/09	<0.0100	0.0562	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**503**	125	572	**1490**
08/19/09	<0.0100	0.0483	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**517**	121	577	**1550**
10/30/09	<0.0100	0.0534	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**502**	127	539	**1350**
10/13/11	<0.0100	0.051	<0.00100	<0.00500	0.005	<0.000200	<0.0100	<0.00500	**428**	117		
07/17/12	0.0142	0.0531	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**422**	124	452	**1570**
10/03/12	0.0171	0.0551	<0.00100	<0.00500	<0.00500	0.000200	<0.0100	<0.00500	**405**	121	490	**1500**
05/15/13	0.0084 J	0.054	<0.000200	<0.0012	0.0138	<0.00015	0.0239	<0.0013	**392**	123	497	**1500**
01/28/14	0.0074 J	0.0465	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	**393**	122	513	**1370**
06/18/14	<0.0072	0.0445	0.0007 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	**351 B**	114	485	**1340**
11/19/14	<0.0100	0.044	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**320**	120	480	**1400**

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	0.0278	**2.23**	<0.00100	0.0132	0.0082	<0.000200	<0.0100	<0.00500	10.7	8.19	995	657
09/21/08	0.0238	**5.10**	0.00130	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25.1	1.62	755	708
05/19/09	0.0233	**5.82**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	30.3	<1.00	777	**2390**
08/19/09	0.0177	**6.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.2	<1.00	778	750
10/30/09	0.0196	**6.63**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.7	<1.00	727	**1260**
10/13/11	0.01	**7.88**	<0.00100	<0.00500	0.0063	<0.000200	<0.0100	<0.00500	17.5	1.32		
07/17/12	0.0133	**8.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.4	1.18	707	757
10/03/12	<0.0100	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	<1.00	694	724
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	0.0221	**1.41**	<0.00100	0.0134	0.0104	<0.000200	<0.0100	<0.00500	61.9	209	870	**1920 A-01**
09/21/08	0.0377	**3.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.62	1.20	751	748
05/19/09	0.0321	**4.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	<1.00	800	252
08/19/09	0.0249	**4.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.76	<1.00	781	800
10/30/09	0.0275	**4.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	1.4	745	580
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**									
04/30/08	0.0172	0.193	<0.00100	0.0063	<0.00500	<0.000200	<0.0100	<0.00500	5.21	195	780	919
09/21/08	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.71	19.7	647	
05/19/09	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.85	11.2	663	698
08/19/09	0.0271	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.14	15.7	656	702
10/30/09	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.01	16.7	604	510
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712

TABLE 6
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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**									
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	0.0259	**2.16**	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**									
04/30/08	0.0107	**1.02**	<0.00100	0.0097	0.0058	<0.000200	<0.0100	<0.00500	16.6	52.5	750	726 A-01
09/21/08	0.0153	**1.40**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.87	3.28	762	716
05/18/09	0.0167	**1.59**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.84	1.69	783	776
08/19/09	0.0136	**1.73**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.37	1.67	791	750
10/30/09	0.0136	**1.79**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.38	1.83	732	410
10/30/09 D	0.0152	**2.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.8	1.51	730	260
10/13/11	0.0142	**2.21**	0.0051	<0.00500	0.0074	<0.000200	<0.0100	<0.00500	6.19	2.08		
07/17/12	0.0147	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.83	2.32	726	788
10/03/12	0.0193	**1.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7	1.81	721	769
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0475	**1.98**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.7	1.09	748	725
10/30/09	0.0541	**1.69**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11	<1.00	719	210
10/13/11	0.036	**3.61**	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	7.35	1.34		
07/17/12	0.0238	0.0206	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.93	1.43	714	747
10/03/12	0.0418	**4.51**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.12	<1.00	698	718
11/29/17	0.0192	**10.2**	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	14	0.55 J	896	815
07/18/18	<0.0100	**9.58**	<0.0100	0.00471 J	<0.0100	0.0000984 B,J	<0.0150	<0.00500	5.6	<1.0	850	**1000**
03/06/19	<0.100	**10.3**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	113	232	961	**1510**
10/30/09	0.0377	0.249	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.1	42.8	989	890

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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**									
10/13/11	0.0102	0.138	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	46.6	15.7		
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.6	145	224	554
10/30/09	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.1	148	209	380
10/13/11	0.0197	0.0321	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	30	140		
07/17/12	0.0237	0.0357	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.2	150	196	595
10/03/12	0.0308	0.0271	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.8	151	195	579
05/15/13	0.0185	0.0307	<0.000200	<0.0012	0.0099	<0.00015	<0.0064	<0.0013	36	156	189	585
01/29/14	0.028	0.0281	<0.000200	<0.0012	0.0039 J	<0.00015	<0.0064	<0.0013	40.9	163	203	570 B
06/18/14	0.0161	0.0247	0.0006 J	<0.00300	<0.002	<0.00015	0.0083 J	<0.0025	43.6 B	176	192	621
11/18/14	0.02	0.023	<0.00100	<0.00500	0.0098	<0.000200	<0.0100	<0.00500	43	170	190	610
12/09/15	0.0275	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
04/27/16	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
05/24/17	0.0327	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
11/29/17	0.0382	0.0579	<0.0100	**0.116**	<0.0100	<0.000200	0.00751 J	<0.00500	23	130	361	605
07/18/18	0.0388	0.0497	<0.0100	<0.0100	<0.0100	0.000112 B,J	<0.0150	<0.00500	36	120	300	610
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
Field Point MW-20	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		
07/17/12	0.0115	0.0481	<0.00100	<0.00500	<0.00500	<0.000200	0.0295	<0.00500	**423**	528	241	**1870**
10/03/12	0.0183	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	0.0167	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	0.0152	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0248	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
10/30/09	0.0245	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	0.0311	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
07/17/12	0.0349	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	0.0435	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	0.0251	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	0.0355	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	0.0307	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	0.0310	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860
12/08/15	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
04/27/16	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/30/09	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	0.018	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
07/17/12	0.0353	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
10/03/12	0.0232	0.0197	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.5	280	223	792
05/15/13	0.0209	0.0204	<0.000200	<0.0012	0.0085	<0.00015	0.0161	<0.0013	41.7	293	212	782
01/29/14	0.0288	0.0191	<0.000200	<0.0012	0.0044 J	<0.00015	0.0066 J	<0.0013	42.8	242	236	750 B
01/29/14 D	0.0299	0.0188	<0.000200	<0.0012	<0.00035	<0.00015	0.0067 J	<0.0013	42.8	257	233	750 B
06/18/14	0.0179	0.0192	0.0007 J	<0.00300	<0.002	<0.000150	0.0096 J	<0.0025	42.7 B	248	221	776
11/19/14	0.019	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800
12/08/15	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	0.0194	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	0.0236	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
Field Point MW-23	**Well Screen Interval (feet):**		**31.00-46.00**									
02/22/12	0.0258	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0307	0.0392	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.06	91.9	425	652

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-23	**Well Screen Interval (feet):**		**31.00-46.00**									
10/03/12	0.0335	0.0334	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.34	79.4	412	654
05/15/13	0.0259	0.037	<0.000200	<0.0012	0.0065	<0.00015	0.0129	<0.0013	2.85	73.6 J	377	635
01/29/14	0.0343	0.0385	<0.000200	<0.0012	0.0052	<0.00015	<0.0064	<0.0013	3.76	109	393	597 B
06/18/14	0.0308	0.0889	0.0007 J	0.0035 J	0.0027 J	<0.00015	0.0063 J	<0.0025	4.27 B	111	370	628
11/18/14	0.033	0.053	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.9	100	370	630
12/08/15	0.0452	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
04/27/16	0.0577	0.768	<0.00100	**0.0832**	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
Field Point MW-25	**Well Screen Interval (feet):**		**28.00-43.00**									
02/22/12	0.062	**7.1**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
02/22/12	0.0135	0.0408	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0123	0.0391	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	19.5	136	304	723
10/03/12	0.0198	0.0296	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24	165	307	736
05/15/13	0.019	0.0366	<0.000200	<0.0012	<0.0017	<0.00015	0.0085 J	<0.0013	25.6	196	303	769
01/29/14	0.0159	0.0335	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	26.6	192	332	751 B
06/18/14	0.0133	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	0.015	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771
10/25/16	0.0300	**1.37**	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	0.0127	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	0.0249	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0226	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	**0.0519**	<0.00500	**280**	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0156	0.0874	<0.0100	<0.0100	<0.0100	0.000104 B,J	0.0300	0.00196 J	220	430	140	**1060**
03/05/19	<0.100	0.0669	<0.0100	<0.0500	0.017 J	<0.000200	<0.100	<0.0100	220	440	140	**1100**

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0213	0.0809	<0.0100	<0.0100	<0.0100	0.000116 B,J	0.0282	0.00145 J	190	100	170	805
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.00958 J	0.0590	<0.0100	<0.0100	<0.0100	0.000102 B,J	<0.0150	<0.00500	170	100	170	725
03/05/19	<0.100	0.0490	<0.0100	<0.0500	0.0105 J	<0.000200	<0.100	<0.0100	190	110	160	690
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0633	<0.0100	<0.0100	<0.0100	0.000103 B,J	0.0202	0.00222 J	120	150	250	735
03/07/19	<0.100	0.207	<0.0100	<0.0500	0.01 J	0.000256	<0.100	<0.0100	65	96	400	745
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0799	<0.0100	<0.0100	<0.0100	0.000153 B,J	0.0187	<0.00500	47	53	450	705
03/06/19	<0.100	0.235	<0.0100	<0.0500	0.0116 J	<0.000200	<0.100	<0.0100	55	46	460	645
Field Point SB-1GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0808	<0.00100	<0.00500	0.0053	<0.000200	<0.0100	<0.00500	9.4	77.8		
Field Point SB-2GW	**Grab Groundwater Sample**											
10/28/11	0.0139	0.134	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	156	307		
Field Point SB-3GW	**Grab Groundwater Sample**											
10/28/11	0.0338	**7.8**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.84	2.3		
Field Point SB-4GW	**Grab Groundwater Sample**											
10/28/11	0.0296	**3.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.9	2.8		
Field Point SB-5GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0971	<0.00100	<0.00500	<0.00500	<0.000200	0.0105	<0.00500	180	421		
Field Point SB-6GW	**Grab Groundwater Sample**											
10/28/11	0.0116	0.0343	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.04	290		
Field Point SB-7GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.58	38.6		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-6												
05/24/17	0.0041 J					0.00028 J		0.00031 J	0.00084	0.00027 J	0.00094	0.0021
11/29/17	0.0045 J					0.00022 J		0.00077	0.00047 J		0.0011	0.0017
07/20/18	0.0041 J											
03/07/19									0.00038 J	0.000087 J	0.000080 J	0.00033 J
Field Point MW-10												
05/24/17												
11/29/17	0.0056 J								0.00036 J			
07/20/18	0.0081 J								0.00060			
03/07/19	0.0041 J			0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J
Field Point MW-11												
05/24/17												
11/29/17	0.0067 J				0.0013 J	0.00061		0.00024 J	0.00025 J		0.0014	0.00056
07/18/18												
03/07/19												
Field Point MW-17												
11/29/17				0.056	0.087 J	0.0058 J	0.051		0.0070 J		0.17	0.023
07/18/18				0.047	0.057 J	0.0046 J	0.044		0.0057 J		0.094	0.012
03/06/19				0.042	0.061 J	0.0033 J	0.035		0.0052 J		0.028	0.0033 J
Field Point MW-19												
05/24/17		0.0045 J		0.0068	0.0017 J	0.0022	0.0037	0.0027	0.0024	0.00079	0.020	0.021
11/29/17	0.0052 J	0.0023 J		0.0057	0.00055 J	0.0023	0.0036	0.0024	0.0023	0.00068	0.026	0.021
07/18/18	0.0042 J			0.0019		0.00022 J	0.0011	0.0010	0.0013	0.00044 J	0.0030	0.00041 J
03/05/19				0.0014	0.00012 J	0.00024 J	0.00072	0.00088	0.0013	0.00054	0.0021	0.000084 J
Field Point MW-22												
05/24/17												
11/29/17	0.0068 J											
07/18/18												
03/06/19												
Field Point MW-26												
05/24/17			0.0011		0.00077 J						0.0014	

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)
Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-26													
11/29/17											0.00045 J		
07/18/18				0.017	0.026 J	0.0050	0.017	0.0036	0.0042		0.12	0.041	
Field Point MW-27													
07/19/18	0.0045 J												
03/06/19													
Field Point MW-28													
07/19/18													
03/05/19													
Field Point MW-29													
07/19/18													
03/05/19													
Field Point MW-30													
07/19/18													
03/05/19													
Field Point MW-31													
07/19/18				0.00029 J			0.00022 J				0.0019	0.00091	
03/07/19				0.0012	0.00020 J		0.00081	0.00067	0.0019	0.00045 J	0.0057	0.0038	
Field Point MW-32													
07/19/18	0.0050 J			0.0054			0.00039 J	0.0014	0.0016	0.00084	0.012	0.010	
03/06/19				0.0023	0.00071 J		0.00012 J	0.00064	0.0019	0.0011	0.0012	0.0041	

TABLE 7

CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA

(EXCEPT BTEX AND FUEL OXYGENATES)

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

Unless noted otherwise, all sampled wells were analyzed by EPA Method 8260B full scan.
Note: table only reflects concentrations above the laboratory reporting limit. Refer to the laboratory report for the reporting limit and dilution factor.

APPENDIX A

FIELD DATA SHEETS

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Vincent Nguyen, Clint Calip Jr.	Project Number: 013612 2019
Gauging Instrument: Oil/Water Level Meter	Date(s): Monday, 03/04/19

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW-19	03/04/19	1432	44.61				
B4/MW30		1441	53.82				
B3/MW29		1446	53.91				
B2/MW28		1451	52.82				
B1/MW27		1454	53.90				
MW-26		1501		40.60	40.05	0.55	
MW-17		1508	48.22	40.38			
B6/MW32		1515	53.44				
MW-22		1524	47.73				
MW-11		1529	48.02	40.89			
MW-10		1533	42.58	41.58			
B5/MW31		1537	53.61				
MW-6		1542	42.07	39.26			
MW-7		1600	36.20				dry
MW-24		1606		40.14	38.34	1.80	
MW-15		1615		39.63	39.29	0.34	
MW-5		1621		40.33	39.05	1.28	
MW-14		1628		39.79	38.94	0.85	
MW-23		1634		39.72	39.62	0.10	
MW-29		1639		40.24	39.31	0.93	
MW-13		1647		40.17	39.15	1.02	
MW-18		1654		39.75	39.41	0.30	
MW-20		1701		39.99	39.49	0.50	
MW-25	↓	1711		40.99	39.64	1.35	
MW-12	03/04/19	1719		40.81	40.34	0.47	

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Vincent Nguyen, Clint Calip Jr.	Project Number: 013612 2019
Gauging Instrument: Oil/Water Level Meter	Date(s): 03/04/19

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW-9	3/04/19	1724		41.23	40.79	0.44	
MW-16		1731		39.71	38.92	0.79	
MW-1		1736		37.82	37.38	0.44	
MW-4		1739		37.53	36.91	0.62	
MW-3		1743	44.76	36.13	36.13	0	sheen

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-39-MW6
Location: Near Tatum, NM				
Sample Technician: Vincent Nguyen				
DATE: 03/07/19				
Weather:				

WELL ID: MW6

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	X	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	X	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	42.07	DTW_{final}:
DTW initial:			0.163	DTW_i:	39.26	39.26
			0.652	h:	2.81	TIME:
Drawdown:			1.457	csg vol:	0.47	1050

COMMENTS

insufficient water to purge

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-41-MW10
Location: Near Tatum, NM				
Sample Technician: Vincent Nguyen				
DATE: 03/07/19				
Weather:				

WELL ID: MW10

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	X	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	X	Gallons	Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:		Conversion	TD: 42.58	DTW_{final}: 41.58	
DTW initial:		0.163	DTW_i: 41.58		
		0.652	h: 1.00	TIME: 0840	
Drawdown:		1.457	csg vol: 0.16		

COMMENTS

insufficient water to purge

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-41 - MW-11
Location: Near Tatum, NM				
Sample Technician: Vincent Nguyen				
DATE: 03/07/19				
Weather:				
WELL ID: MW-11				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
0835	40.71		600	17.6	1662	7.51	4.45	41.3	4.66
0845	41.58		600	18.6	1682	7.38	3.69	14.4	0.75
0855	41.82		600	18.9	1688	7.35	3.13	12.5	0.18
0905	42.06		600	18.9	1685	7.32	3.27	14.3	0.39
0915	42.17		600	18.7	1688	7.37	3.72	22.9	0.41
0925	42.29		600	18.6	1667	7.33	3.65	20.9	0.08
0935	42.34		600	18.9	1698	7.35	3.65	16.5	0.11

Depth to Pump Intake	46	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	14	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	48.02	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	40.89	41.02
			0.652	h:	7.13	TIME:
Drawdown:			1.457	csg vol:	4.65	0950

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-41-MW17
Location: Near Tatum, NM				
Sample Technician: Vincent Nguyen				
DATE: 03/06/19				
Weather:				
WELL ID: MW-17				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
0920	40.20			14.5	917	7.68	3.44	-76.2	4.03
0930	40.52			17.1	750	7.59	2.33	-85.1	2.75
0940	41.52			17.5	1532	7.56	1.39	-108.7	1.92
0950	41.81			17.8	1584	7.56	0.87	-103.4	1.18
1000	42.18			15.9	1559	7.67	3.21	-111.1	1.92
1010	42.23			17.8	1542	7.61	2.29	-121.8	0.56
1020	42.66			18.2	1513	7.59	1.86	-112.1	0.45
1030	42.80			17.9	1518	7.60	2.20	-115.3	0.78
1040	42.58			17.7	1529	7.59	1.91	-110.8	0.31

Depth to Pump Intake	45	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	15	Gallons	Liters	GALLONS	

					WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	48.22		DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	40.38		40.70
			0.652	h:	7.82		TIME:
Drawdown:			1.457	csg vol:	5.10		1105

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-40 - MW-19
Location: Near Tatum, NM				30 inch Hg
Sample Technician: Clint Calipo				wind 4 mph SE
DATE: 3-5-19				
Weather: Clear Sunny 35°F 42° Humidity				
WELL ID: MW19				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU
	39.31	44.61	600	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0948				19.0	994	8.04	0.60	-60.6	6.88
0958				18.5	996	7.64	0.73	-144.3	3.27
1008				18.5	993	7.65	0.55	-166.2	2.98
1018				18.5	994	7.66	0.39	-174.4	2.84
1026				18.5	992	7.66	0.25	-181.7	2.51
1036				18.4	993	7.65	0.41	-171.3	2.31
1046				18.2	986	7.69	0.61	-162.7	1.91
1056				19.6	981	7.66	0.75	-154.5	1.75
1106				18.7	978	7.76	0.68	-181.9	4.45
1116				18.5	981	7.68	0.57	-173.5	5.32

Depth to Pump Intake	42.61	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	10.1	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	40.4	Conversion	TD:	44.61	DTW $_{final}$:
DTW initial:	39.31	0.163	DTW$_i$:	39.32	40.4
		0.652	h:	5.29	TIME:
Drawdown:	1.09	1.457	csg vol:	3.38	12:00 pm

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				W-42 - MW22
Sample Technician: Matt Culp Jr.				
DATE: 3-6-19				
Weather: Clear, Sunny 34°F wind 5-10 mph out of South				
WELL ID: MW 22				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.16	47.73	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
12:55				18.6	1062	7.77	4.08	170.2	2.37
1305				18.8	1061	7.77	4.06	167.9	2.04
1315				18.8	1055	7.75	3.53	156.9	1.74
1325				18.9	1053	7.75	3.33	158.8	1.64
1335				18.9	1050	7.74	2.99	158.2	1.64
1345				18.9	1048	7.73	2.61	156.2	1.61
1355				19.2	1042	7.73	2.54	150.1	1.71

Depth to Pump Intake		Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume		Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	42.91		Conversion	TD:	47.73	DTW final : 42.91
DTW initial:	41.04		0.163	DTW$_i$:	41.16	
			0.652	h:	6.57	TIME: 14:03
Drawdown:			1.457	csg vol:	4.20	

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-39-B1/MW27
Location: Near Tatum, NM				
Sample Technician: Clint Calhoun				
DATE: 3-6-19				
Weather: Clear, Sunny 34°F Wind S-10mph out of South				
WELL ID: B1/MW-27				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	39.85	53.90	150	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0920				17.7	1596	7.39	4.40	215.4	51.22
0930				17.8	1565	7.44	5.03	194.1	13.45
0940				17.8	1546	7.50	5.39	170.2	6.21
0950				17.8	1544	7.50	5.49	171.7	3.72
1000				17.9	1542	7.52	5.57	171.9	3.07
1010				18.0	1539	7.54	5.63	170.1	2.51
1020				18.2	1529	7.55	5.78	175.9	2.63
1030				17.6	1532	7.54	5.75	193.8	1.82
1040				18.1	1531	7.56	5.80	173.1	1.71
1050				18.2	1531	7.56	5.81	178.3	1.69
1100				18.2	1531	7.57	5.85	180.2	1.66
1110				18.4	1531	7.55	5.70	181.9	1.81
1120				18.2	1534	7.59	5.91	186.2	2.11
1130				18.2	1531	7.59	5.86	175.3	2.10
1140									

Depth to Pump Intake		Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume		Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	39.97		Conversion	TD:	53.90	DTW final: 39.97
DTW initial:	39.82		0.163	DTW$_i$:	39.85	
			0.652	h:	14.05	TIME: 11:45
Drawdown:			1.457	csg vol:	8.98	

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-41-B2/MW28
Location: Near Tatum, NM				
Sample Technician: Vincent Nguyen				
DATE: 03/05/19				
Weather:				
WELL ID: B2/MW28				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
1350	41.00		650	17.3	1827	7.82	6.88	187.8	3.06
1400	41.11		650	17.6	1809	7.87	6.51	173.7	2.44
1410	41.02		650	17.4	1804	7.75	6.35	139.5	1.67
1420	41.19		650	17.3	1816	7.77	6.30	142.3	1.81
1430	41.28		650	17.2	1819	7.70	6.31	138.6	1.10
1440	41.23		650	17.3	1804	7.76	6.35	143.1	1.18
1450	41.34		650	17.3	1811	7.76	6.29	100.9	0.52
1500	41.33		650	17.3	1810	7.75	6.27	90.4	0.03
1510	41.49		650	17.4	1816	7.72	6.21	81.6	0.02
1520	41.60		650	17.3	1810	7.74	6.24	77.2	0.02

Depth to Pump Intake	50	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	28	Gallons	Liters	GALLONS

					WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.91		DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	39.93		41.21
			0.652	h:	13.98		TIME:
Drawdown:			1.457	csg vol:	9.12		1530

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Clint Culp Jr.				
DATE: 3-5-19				
Weather: Clear Sunny 35°F 42° Humidity 30 in Hg wind 4 mph SE				
WELL ID: B31 MW29				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	39.89	53.91	700	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1316				18.0	1093	7.72	7.61	100.7	123.91
1326				18.2	1130	7.71	7.88	116.3	33.53
1336				18.0	1140	7.71	7.73	128.1	10.85
1346				18.1	1151	7.71	7.67	139.9	6.03
1356				17.9	1179	7.70	7.60	156.9	3.95
1406				17.8	1165	7.71	7.54	159.7	4.15
1416				18.8	1160	7.72	7.49	164.3	4.01
1426				17.9	1161	7.72	7.86	174.9	2.54
1436				17.3	1140	7.72	7.65	170.3	3.18
1446				18.1	1154	7.72	7.92	183.5	3.24
1456				17.9	1193	7.72	7.83	195.9	2.01
1506				17.9	1156	7.72	7.75	164.9	2.16
~~1516~~									

Depth to Pump Intake	51.91	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	27	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	39.78	Conversion	TD: 53.91	DTW_{final} : 39.78	
DTW initial:	39.89	0.163	DTW_i : 39.77		
		0.652	h: 14.14	TIME: 1516	
Drawdown:		1.457	csg vol: 9.04		

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-40 - B4/MW30
Location: Near Tatum, NM				
Sample Technician: Vincent Nguyen				
DATE: 03/05/19				
Weather:				
WELL ID: B4/MW30				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
1045	39.44		600	16.2	1083	7.67	7.30	89.4	40.3
1055	39.78		600	16.7	1142	7.66	6.87	90.6	8.14
1105	39.73		600	17.1	1143	7.66	7.43	97.1	4.96
1115	39.62		600	16.7	1162	7.72	7.54	116.8	1.36
1125	39.65		600	16.9	1158	7.79	7.28	135.1	1.74
1135	39.58		600	17.1	1157	7.84	7.38	136.3	0.69
1145	39.61		600	17.2	1160	7.87	7.44	134.6	0.70
1155	39.60		600	17.1	1159	7.85	7.39	132.1	0.51
1205	39.68		600	17.2	1165	7.82	7.31	126.0	0.66
1215	39.74		600	17.2	1166	7.84	7.40	119.7	1.05
1225	39.80		600	17.0	1160	7.85	7.42	114.1	0.92
1235	39.76		600	17.0	1162	7.86	7.40	110.0	0.80
1245	39.88		600	17.1	1170	7.87	7.41	109.4	0.62
1255	39.96		600	17.1	1170	7.88	7.42	101.8	0.50

Depth to Pump Intake	50	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	28	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.82	DTW_{final}:
DTW initial:			0.163	DTW_i:	39.36	39.96
			0.652	h:	14.46	TIME:
Drawdown:			1.457	csg vol:	9.43	1255

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Clint Calip Z.				
DATE: 3-7-19				
Weather: Clear, Sunny wind out of South 10 -15 mph				
WELL ID: BS/MW31				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.16	53.61	600	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0846				18.4	1104	7.34	-0.08	-53.9	25.77
0856				18.6	1108	7.34	-0.01	-78.5	12.75
0906				18.7	1110	7.34	0.02	-61.5	7.55
0916				18.8	1112	7.34	0.07	-46.4	6.75
0926				19.0	1116	7.34	0.20	-26.5	4.32
0936				18.9	1116	7.34	0.08	-40.1	3.86
0946				19.0	1120	7.34	0.16	-39.7	3.98
0956				18.8	1122	7.34	0.25	-38.0	3.91
1006				18.2	1122	7.35	0.54	-20.3	3.18
1016				19.0	1127	7.33	0.32	-19.7	2.79
1026				19.0	1127	7.33	0.31	-19.7	2.85
1036				19.0	1128	7.33	0.34	-19.7	2.80
1046				19.0	1130	7.34	0.35	-19.7	3.06
1056				19.0	1132	7.33	0.39	-19.2	4.80
1106				19.1	1133	7.34	0.40	-19.7	4.80
1116				19.2	1137	7.34	0.46	-19.8	13.48
1126				19.2	1137	7.34	0.48	-20.1	19.31

Depth to Pump Intake		Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	25.80	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	40.55		Conversion	TD:	53.61	DTW_{final}: 40.55
DTW initial:	40.10		0.163	DTW_i:	40.16	
			0.652	h:	13.45	TIME: 11:39
Drawdown:			1.457	csg vol:	8.60	

COMMENTS

Cardno Job #: 3612	Quarter: 1		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				W-41-B6/MW32
Sample Technician: Vincent Nguyen				
DATE: 03/06/19				
Weather:				
WELL ID: B6/MW32				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
1225	41.26		650	17.9	1127	7.41	1.34	-128.8	66.77
1235	42.30		650	17.2	1033	7.45	2.62	-93.3	10.52
1245	42.31		650	18.1	1025	7.34	1.49	-102.3	0.76
1255	42.32		650	18.0	1046	7.38	1.69	-90.7	0.39
1305	42.12		650	17.9	1055	7.59	2.36	-86.1	0.11
1315	42.26		650	18.2	1060	7.50	2.48	-80.9	0.10
1325	42.45		650	18.5	1059	7.34	2.55	-74.4	0.08
1335	42.50		650	18.5	1070	7.31	2.26	-69.1	0.18
1345	42.58		650	18.5	1069	7.28	1.88	-64.3	0.04
1355	42.79		650	18.5	1073	7.32	1.81	-70.8	0.05
1405	43.01		650	18.5	1066	7.32	1.62	-69.0	0.03
1415	43.21		650	18.6	1062	7.39	1.56	-65.1	0.03

Depth to Pump Intake	50	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	25	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.44	DTW final:
DTW initial:			0.163	DTW$_i$:	40.34	41.46
			0.652	h:	12.9	TIME:
Drawdown:			1.457	csg vol:	6.41	1430

COMMENTS

APPENDIX B

LABORATORY ANALYTICAL REPORTS

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Supplemental Report 1

The original report has been revised/corrected.

WORK ORDER NUMBER: 19-03-0439

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For
Client: Cardno
Client Project Name: ExxonMobil Gladiola Station
Attention: David Purdy
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Approved for release on 06/06/2019 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil Gladiola Station
Work Order Number: 19-03-0439

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Work Order: 19-03-0439 Page 1 of 1

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/07/19. They were assigned to Work Order 19-03-0439.

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.

DoD Projects:

The test results contained in this report are accredited under the laboratory's ISO/IEC 17025:2005 and DoD-ELAP accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation ADE-1864.

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.

The report has been revised to correct the sample ID for W-39-B3/MW29.

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	PO Number:	Gladiola Station
		Date/Time Received:	03/07/19 10:15
		Number of Containers:	48
Attn:	David Purdy		

Sample Summary

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-40-MW19	19-03-0439-1	03/05/19 12:00	11	Aqueous
W-40-B4/MW30	19-03-0439-2	03/05/19 12:55	12	Aqueous
W-39-B3/MW29	19-03-0439-3	03/05/19 15:16	11	Aqueous
W-41-B2/MW28	19-03-0439-4	03/05/19 15:30	11	Aqueous
Trip Blank	19-03-0439-5	03/05/19 00:00	3	Aqueous

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 1 (W-40-MW19, Aqueous) Sampled: 03/05/19 12:00									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	110		mg/L	0.98	2.0	2.00	03/11/19 18:54	EPA 300.0	190311L01
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 21:03	EPA 6010B	190319LA6
Barium	0.0458		mg/L	0.00308	0.0100	1.00	03/20/19 21:03	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 21:03	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 21:03	EPA 6010B	190319LA6
Lead	0.00991	J	mg/L	0.00821	0.0500	1.00	03/20/19 21:03	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 21:03	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 21:03	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:47	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	0.085	J	ug/L	0.072	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		ug/L	0.073	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		ug/L	0.059	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		ug/L	0.071	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		ug/L	0.066	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		ug/L	0.066	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		ug/L	0.073	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		ug/L	0.070	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		ug/L	0.076	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		ug/L	0.065	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		ug/L	0.079	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		ug/L	0.084	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Benzo (a) Pyrene	ND		ug/L	0.10	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		ug/L	0.081	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		ug/L	0.076	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		ug/L	0.093	0.19	1.00	03/15/19 23:50	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*86%*						*03/15/19 23:50*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*87%*						*03/15/19 23:50*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*108%*						*03/15/19 23:50*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.40	J	ug/L	0.072	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Toluene	ND		ug/L	0.093	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Ethylbenzene	0.29	J	ug/L	0.087	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
o-Xylene	ND		ug/L	0.086	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
p/m-Xylene	ND		ug/L	0.15	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Xylenes (total)	ND		ug/L	0.086	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		ug/L	0.067	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		ug/L	0.070	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		ug/L	0.084	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		ug/L	0.087	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		ug/L	0.069	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/L	0.13	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1-Dichloroethane	ND		ug/L	0.060	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1-Dichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,1-Dichloropropene	ND		ug/L	0.070	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		ug/L	0.12	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		ug/L	0.076	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		ug/L	0.089	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	2.1		ug/L	0.068	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	0.084	J	ug/L	0.079	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		ug/L	0.11	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.51	5.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2-Dibromoethane	ND		ug/L	0.059	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2-Dichloroethane	ND		ug/L	0.074	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,2-Dichloropropane	ND		ug/L	0.098	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		ug/L	0.082	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
c-1,3-Dichloropropene	ND		ug/L	0.096	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		ug/L	0.098	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,3-Dichloropropane	ND		ug/L	0.082	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		ug/L	0.053	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		ug/L	0.073	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
2,2-Dichloropropane	ND		ug/L	0.38	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
2-Chlorotoluene	ND		ug/L	0.058	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
4-Chlorotoluene	ND		ug/L	0.091	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		ug/L	0.42	5.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Acetone	ND		ug/L	4.0	10	1.00	03/13/19 18:09	EPA 8260B	190313L016
Bromobenzene	ND		ug/L	0.061	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Bromochloromethane	ND		ug/L	0.082	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Bromoform	ND		ug/L	0.096	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Bromomethane	ND		ug/L	0.99	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Carbon Disulfide	ND		ug/L	0.39	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Carbon Tetrachloride	ND		ug/L	0.057	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Chlorobenzene	ND		ug/L	0.088	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Dibromochloromethane	ND		ug/L	0.064	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Chloroethane	ND		ug/L	0.12	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Chloroform	ND		ug/L	0.062	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Chloromethane	ND		ug/L	2.0	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Dibromomethane	ND		ug/L	0.13	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Bromodichloromethane	ND		ug/L	0.053	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		ug/L	0.099	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		ug/L	0.59	2.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Isopropylbenzene	1.4		ug/L	0.076	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
2-Butanone	ND		ug/L	0.46	5.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
Methylene Chloride	ND		ug/L	0.042	1.0	1.00	03/13/19 18:09	EPA 8260B	190313L016
2-Hexanone	ND		ug/L	0.50	10	1.00	03/13/19 18:09	EPA 8260B	190313L016
Naphthalene	0.12	J	ug/L	0.097	10	1.00	03/13/19 18:09	EPA 8260B	190313L016
n-Butylbenzene	0.24	J	ug/L	0.11	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
n-Propylbenzene	0.72		ug/L	0.076	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
p-Isopropyltoluene	0.88		ug/L	0.074	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
sec-Butylbenzene	1.3		ug/L	0.095	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Styrene	ND		ug/L	0.059	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
tert-Butylbenzene	0.54		ug/L	0.082	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Tetrachloroethene	ND		ug/L	0.24	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Trichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Trichlorofluoromethane	ND		ug/L	0.10	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Vinyl Chloride	ND		ug/L	0.078	0.50	1.00	03/13/19 18:09	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*99%*						*03/13/19 18:09*	*EPA 8260B*	*190313L016*

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Surr: Dibromofluoromethane (80-127%)	*96%*						*03/13/19 18:09*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*92%*						*03/13/19 18:09*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*99%*						*03/13/19 18:09*	*EPA 8260B*	*190313L016*
SM 2320B Alkalinity (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	330		mg/L	1.7	5.0	1.00	03/09/19 11:55	SM 2320B	J0309ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	515		mg/L	0.870	1.00	1.00	03/12/19 21:30	SM 2540 C	J0312TDSL2
SM 4500-CL C Chloride (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	36		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
Sample ID: 2 (W-40-B4/MW30, Aqueous) Sampled: 03/05/19 12:55									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	110		mg/L	0.98	2.0	2.00	03/11/19 19:13	EPA 300.0	190311L01
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 21:05	EPA 6010B	190319LA6
Barium	0.0490		mg/L	0.00308	0.0100	1.00	03/20/19 21:05	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 21:05	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 21:05	EPA 6010B	190319LA6
Lead	0.0105	J	mg/L	0.00821	0.0500	1.00	03/20/19 21:05	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 21:05	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 21:05	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:50	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		ug/L	0.072	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		ug/L	0.059	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		ug/L	0.071	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Phenanthrene	ND		ug/L	0.066	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		ug/L	0.066	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		ug/L	0.070	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		ug/L	0.076	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		ug/L	0.065	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		ug/L	0.079	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		ug/L	0.084	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		ug/L	0.10	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		ug/L	0.081	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		ug/L	0.076	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		ug/L	0.093	0.19	1.00	03/16/19 00:10	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*92%*						*03/16/19 00:10*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*93%*						*03/16/19 00:10*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*98%*						*03/16/19 00:10*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		ug/L	0.072	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Toluene	ND		ug/L	0.093	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Ethylbenzene	ND		ug/L	0.087	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
o-Xylene	ND		ug/L	0.086	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
p/m-Xylene	ND		ug/L	0.15	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Xylenes (total)	ND		ug/L	0.086	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		ug/L	0.067	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		ug/L	0.070	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		ug/L	0.084	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		ug/L	0.087	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		ug/L	0.069	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/L	0.13	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1-Dichloroethane	ND		ug/L	0.060	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1-Dichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,1-Dichloropropene	ND		ug/L	0.070	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2,3-Trichlorobenzene	ND		ug/L	0.12	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		ug/L	0.076	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		ug/L	0.089	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		ug/L	0.079	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		ug/L	0.11	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.51	5.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2-Dibromoethane	ND		ug/L	0.059	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2-Dichloroethane	ND		ug/L	0.074	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,2-Dichloropropane	ND		ug/L	0.098	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		ug/L	0.082	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		ug/L	0.096	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		ug/L	0.098	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,3-Dichloropropane	ND		ug/L	0.082	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		ug/L	0.053	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		ug/L	0.073	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
2,2-Dichloropropane	ND		ug/L	0.38	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
2-Chlorotoluene	ND		ug/L	0.058	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
4-Chlorotoluene	ND		ug/L	0.091	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		ug/L	0.42	5.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Acetone	ND		ug/L	4.0	10	1.00	03/13/19 18:36	EPA 8260B	190313L016
Bromobenzene	ND		ug/L	0.061	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Bromochloromethane	ND		ug/L	0.082	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Bromoform	ND		ug/L	0.096	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Bromomethane	ND		ug/L	0.99	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Carbon Disulfide	ND		ug/L	0.39	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Carbon Tetrachloride	ND		ug/L	0.057	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Chlorobenzene	ND		ug/L	0.088	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Dibromochloromethane	ND		ug/L	0.064	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Chloroethane	ND		ug/L	0.12	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Chloroform	ND		ug/L	0.062	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Chloromethane	ND		ug/L	2.0	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Dibromomethane	ND		ug/L	0.13	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Bromodichloromethane	ND		ug/L	0.053	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		ug/L	0.099	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		ug/L	0.59	2.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Isopropylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
2-Butanone	ND		ug/L	0.46	5.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
Methylene Chloride	ND		ug/L	0.042	1.0	1.00	03/13/19 18:36	EPA 8260B	190313L016
2-Hexanone	ND		ug/L	0.50	10	1.00	03/13/19 18:36	EPA 8260B	190313L016
Naphthalene	ND		ug/L	0.097	10	1.00	03/13/19 18:36	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
n-Butylbenzene	ND		ug/L	0.11	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
n-Propylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
p-Isopropyltoluene	ND		ug/L	0.074	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
sec-Butylbenzene	ND		ug/L	0.095	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Styrene	ND		ug/L	0.059	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
tert-Butylbenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Tetrachloroethene	ND		ug/L	0.24	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Trichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Trichlorofluoromethane	ND		ug/L	0.10	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Vinyl Chloride	ND		ug/L	0.078	0.50	1.00	03/13/19 18:36	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*97%*						*03/13/19 18:36*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*94%*						*03/13/19 18:36*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*92%*						*03/13/19 18:36*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*101%*						*03/13/19 18:36*	*EPA 8260B*	*190313L016*
SM 2320B Alkalinity (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	160		mg/L	1.7	5.0	1.00	03/09/19 11:55	SM 2320B	J0309ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - L - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	690		mg/L	0.870	1.00	1.00	03/12/19 21:30	SM 2540 C	J0312TDSL2
SM 4500-CL C Chloride (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	190		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
Sample ID: 3 (W-39-B3/MW29, Aqueous) Sampled: 03/05/19 15:16									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	110		mg/L	0.98	2.0	2.00	03/11/19 19:32	EPA 300.0	190311L01
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 21:06	EPA 6010B	190319LA6
Barium	0.0488		mg/L	0.00308	0.0100	1.00	03/20/19 21:06	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 21:06	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 21:06	EPA 6010B	190319LA6
Lead	0.0118	J	mg/L	0.00821	0.0500	1.00	03/20/19 21:06	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 21:06	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 21:06	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:52	EPA 7470A	190318LA4M

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		ug/L	0.072	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		ug/L	0.059	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		ug/L	0.071	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		ug/L	0.066	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		ug/L	0.066	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		ug/L	0.070	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		ug/L	0.076	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		ug/L	0.065	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		ug/L	0.079	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		ug/L	0.084	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		ug/L	0.10	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		ug/L	0.081	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		ug/L	0.076	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		ug/L	0.093	0.19	1.00	03/16/19 00:29	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*79%*						*03/16/19 00:29*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*82%*						*03/16/19 00:29*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*98%*						*03/16/19 00:29*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		ug/L	0.072	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Toluene	ND		ug/L	0.093	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Ethylbenzene	ND		ug/L	0.087	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
o-Xylene	ND		ug/L	0.086	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
p/m-Xylene	ND		ug/L	0.15	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Xylenes (total)	ND		ug/L	0.086	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		ug/L	0.067	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		ug/L	0.070	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		ug/L	0.084	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		ug/L	0.087	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		ug/L	0.069	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/L	0.13	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1-Dichloroethane	ND		ug/L	0.060	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1-Dichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,1-Dichloropropene	ND		ug/L	0.070	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		ug/L	0.12	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		ug/L	0.076	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		ug/L	0.089	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		ug/L	0.079	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		ug/L	0.11	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.51	5.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2-Dibromoethane	ND		ug/L	0.059	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2-Dichloroethane	ND		ug/L	0.074	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,2-Dichloropropane	ND		ug/L	0.098	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		ug/L	0.082	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		ug/L	0.096	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		ug/L	0.098	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,3-Dichloropropane	ND		ug/L	0.082	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		ug/L	0.053	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		ug/L	0.073	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
2,2-Dichloropropane	ND		ug/L	0.38	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
2-Chlorotoluene	ND		ug/L	0.058	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
4-Chlorotoluene	ND		ug/L	0.091	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		ug/L	0.42	5.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Acetone	ND		ug/L	4.0	10	1.00	03/13/19 19:03	EPA 8260B	190313L016
Bromobenzene	ND		ug/L	0.061	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Bromochloromethane	ND		ug/L	0.082	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Bromoform	ND		ug/L	0.096	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Bromomethane	ND		ug/L	0.99	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Carbon Disulfide	ND		ug/L	0.39	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Carbon Tetrachloride	ND		ug/L	0.057	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Chlorobenzene	ND		ug/L	0.088	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Dibromochloromethane	ND		ug/L	0.064	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Chloroethane	ND		ug/L	0.12	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Chloroform	ND		ug/L	0.062	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Chloromethane	ND		ug/L	2.0	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Dibromomethane	ND		ug/L	0.13	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Bromodichloromethane	ND		ug/L	0.053	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		ug/L	0.099	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		ug/L	0.59	2.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Isopropylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
2-Butanone	ND		ug/L	0.46	5.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
Methylene Chloride	ND		ug/L	0.042	1.0	1.00	03/13/19 19:03	EPA 8260B	190313L016
2-Hexanone	ND		ug/L	0.50	10	1.00	03/13/19 19:03	EPA 8260B	190313L016
Naphthalene	ND		ug/L	0.097	10	1.00	03/13/19 19:03	EPA 8260B	190313L016
n-Butylbenzene	ND		ug/L	0.11	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
n-Propylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
p-Isopropyltoluene	ND		ug/L	0.074	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
sec-Butylbenzene	ND		ug/L	0.095	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Styrene	ND		ug/L	0.059	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
tert-Butylbenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Tetrachloroethene	ND		ug/L	0.24	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Trichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Trichlorofluoromethane	ND		ug/L	0.10	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Vinyl Chloride	ND		ug/L	0.078	0.50	1.00	03/13/19 19:03	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*98%*						*03/13/19 19:03*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*92%*						*03/13/19 19:03*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*						*03/13/19 19:03*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*99%*						*03/13/19 19:03*	*EPA 8260B*	*190313L016*
SM 2320B Alkalinity (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	180		mg/L	1.7	5.0	1.00	03/09/19 11:55	SM 2320B	J0309ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	605		mg/L	0.870	1.00	1.00	03/12/19 21:30	SM 2540 C	J0312TDSL2
SM 4500-CL C Chloride (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	160		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
Sample ID: 4 (W-41-B2/MW28, Aqueous) Sampled: 03/05/19 15:30									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	440		mg/L	4.9	10	10.0	03/11/19 19:51	EPA 300.0	190311L01

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 21:08	EPA 6010B	190319LA6
Barium	0.0669		mg/L	0.00308	0.0100	1.00	03/20/19 21:08	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 21:08	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 21:08	EPA 6010B	190319LA6
Lead	0.0170	J	mg/L	0.00821	0.0500	1.00	03/20/19 21:08	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 21:08	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 21:08	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:59	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		ug/L	0.072	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		ug/L	0.059	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		ug/L	0.071	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		ug/L	0.066	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		ug/L	0.066	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		ug/L	0.073	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		ug/L	0.070	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		ug/L	0.076	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		ug/L	0.065	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		ug/L	0.079	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		ug/L	0.084	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		ug/L	0.10	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		ug/L	0.081	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		ug/L	0.076	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Benzo (g,h,i) Perylene	ND		ug/L	0.093	0.19	1.00	03/16/19 00:48	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*98%*						*03/16/19 00:48*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*107%*						*03/16/19 00:48*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*108%*						*03/16/19 00:48*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		ug/L	0.072	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Toluene	ND		ug/L	0.093	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Ethylbenzene	ND		ug/L	0.087	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
o-Xylene	ND		ug/L	0.086	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
p/m-Xylene	ND		ug/L	0.15	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Xylenes (total)	ND		ug/L	0.086	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		ug/L	0.067	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		ug/L	0.070	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		ug/L	0.084	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		ug/L	0.087	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		ug/L	0.069	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/L	0.13	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1-Dichloroethane	ND		ug/L	0.060	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1-Dichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,1-Dichloropropene	ND		ug/L	0.070	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		ug/L	0.12	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		ug/L	0.076	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		ug/L	0.089	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	ND		ug/L	0.068	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		ug/L	0.079	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		ug/L	0.11	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.51	5.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2-Dibromoethane	ND		ug/L	0.059	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2-Dichloroethane	ND		ug/L	0.074	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,2-Dichloropropane	ND		ug/L	0.098	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		ug/L	0.082	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		ug/L	0.096	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		ug/L	0.098	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,3-Dichloropropane	ND		ug/L	0.082	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		ug/L	0.053	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		ug/L	0.073	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
2,2-Dichloropropane	ND		ug/L	0.38	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
2-Chlorotoluene	ND		ug/L	0.058	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
4-Chlorotoluene	ND		ug/L	0.091	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		ug/L	0.42	5.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Acetone	ND		ug/L	4.0	10	1.00	03/13/19 19:30	EPA 8260B	190313L016
Bromobenzene	ND		ug/L	0.061	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Bromochloromethane	ND		ug/L	0.082	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Bromoform	ND		ug/L	0.096	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Bromomethane	ND		ug/L	0.99	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Carbon Disulfide	ND		ug/L	0.39	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Carbon Tetrachloride	ND		ug/L	0.057	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Chlorobenzene	ND		ug/L	0.088	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Dibromochloromethane	ND		ug/L	0.064	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Chloroethane	ND		ug/L	0.12	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Chloroform	ND		ug/L	0.062	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Chloromethane	ND		ug/L	2.0	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Dibromomethane	ND		ug/L	0.13	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Bromodichloromethane	ND		ug/L	0.053	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		ug/L	0.099	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		ug/L	0.59	2.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Isopropylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
2-Butanone	ND		ug/L	0.46	5.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
Methylene Chloride	ND		ug/L	0.042	1.0	1.00	03/13/19 19:30	EPA 8260B	190313L016
2-Hexanone	ND		ug/L	0.50	10	1.00	03/13/19 19:30	EPA 8260B	190313L016
Naphthalene	ND		ug/L	0.097	10	1.00	03/13/19 19:30	EPA 8260B	190313L016
n-Butylbenzene	ND		ug/L	0.11	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
n-Propylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
p-Isopropyltoluene	ND		ug/L	0.074	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
sec-Butylbenzene	ND		ug/L	0.095	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Styrene	ND		ug/L	0.059	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
tert-Butylbenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Tetrachloroethene	ND		ug/L	0.24	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Trichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Trichlorofluoromethane	ND		ug/L	0.10	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Vinyl Chloride	ND		ug/L	0.078	0.50	1.00	03/13/19 19:30	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*96%*						*03/13/19 19:30*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*93%*						*03/13/19 19:30*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*						*03/13/19 19:30*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*100%*						*03/13/19 19:30*	*EPA 8260B*	*190313L016*

SM 2320B Alkalinity (Extraction Method: N/A) Container - I
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Alkalinity, Total (as CaCO3)	140		mg/L	1.7	5.0	1.00	03/09/19 11:55	SM 2320B	J0309ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	1100		mg/L	0.870	10.0	1.00	03/12/19 21:30	SM 2540 C	J0312TDSL2
SM 4500-CL C Chloride (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	220		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
Sample ID: 5 (Trip Blank, Aqueous) Sampled: 03/05/19 00:00									
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		ug/L	0.072	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Toluene	ND		ug/L	0.093	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Ethylbenzene	ND		ug/L	0.087	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
o-Xylene	0.32	J	ug/L	0.086	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
p/m-Xylene	0.26	J	ug/L	0.15	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Xylenes (total)	0.57	JA	ug/L	0.086	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		ug/L	0.067	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		ug/L	0.070	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		ug/L	0.084	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		ug/L	0.087	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		ug/L	0.069	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/L	0.13	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1-Dichloroethane	ND		ug/L	0.060	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1-Dichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,1-Dichloropropene	ND		ug/L	0.070	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		ug/L	0.12	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		ug/L	0.076	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		ug/L	0.089	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	0.11	J	ug/L	0.068	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		ug/L	0.079	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		ug/L	0.11	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		ug/L	0.51	5.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2-Dibromoethane	ND		ug/L	0.059	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2-Dichloroethane	ND		ug/L	0.074	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,2-Dichloropropane	ND		ug/L	0.098	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		ug/L	0.082	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		ug/L	0.096	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		ug/L	0.098	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
1,3-Dichloropropane	ND		ug/L	0.082	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		ug/L	0.053	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,4-Dichlorobenzene	ND		ug/L	0.073	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
2,2-Dichloropropane	ND		ug/L	0.38	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
2-Chlorotoluene	ND		ug/L	0.058	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
4-Chlorotoluene	ND		ug/L	0.091	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
4-Methyl-2-Pentanone	0.47	J	ug/L	0.42	5.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Acetone	5.4	J	ug/L	4.0	10	1.00	03/13/19 17:41	EPA 8260B	190313L016
Bromobenzene	ND		ug/L	0.061	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Bromochloromethane	ND		ug/L	0.082	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Bromoform	ND		ug/L	0.096	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Bromomethane	ND		ug/L	0.99	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Carbon Disulfide	ND		ug/L	0.39	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Carbon Tetrachloride	ND		ug/L	0.057	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Chlorobenzene	ND		ug/L	0.088	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Dibromochloromethane	ND		ug/L	0.064	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Chloroethane	ND		ug/L	0.12	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Chloroform	ND		ug/L	0.062	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Chloromethane	ND		ug/L	2.0	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Dibromomethane	ND		ug/L	0.13	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Bromodichloromethane	ND		ug/L	0.053	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		ug/L	0.099	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		ug/L	0.59	2.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Isopropylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
2-Butanone	ND		ug/L	0.46	5.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
Methylene Chloride	0.057	J	ug/L	0.042	1.0	1.00	03/13/19 17:41	EPA 8260B	190313L016
2-Hexanone	ND		ug/L	0.50	10	1.00	03/13/19 17:41	EPA 8260B	190313L016
Naphthalene	ND		ug/L	0.097	10	1.00	03/13/19 17:41	EPA 8260B	190313L016
n-Butylbenzene	ND		ug/L	0.11	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
n-Propylbenzene	ND		ug/L	0.076	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
p-Isopropyltoluene	ND		ug/L	0.074	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
sec-Butylbenzene	ND		ug/L	0.095	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Styrene	ND		ug/L	0.059	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
tert-Butylbenzene	ND		ug/L	0.082	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Tetrachloroethene	ND		ug/L	0.24	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Trichloroethene	ND		ug/L	0.10	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Trichlorofluoromethane	ND		ug/L	0.10	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Vinyl Chloride	ND		ug/L	0.078	0.50	1.00	03/13/19 17:41	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*98%*						*03/13/19 17:41*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*89%*						*03/13/19 17:41*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*92%*						*03/13/19 17:41*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*101%*						*03/13/19 17:41*	*EPA 8260B*	*190313L016*

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
EPA 300.0 Anions						
099-12-906-9218						
Sulfate	ND		mg/L	190311L01	099-12-906-9218	03/11/19 15:30
EPA 6010B ICP Metals						
097-01-003-17303						
Arsenic	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Barium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Cadmium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Chromium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Lead	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Selenium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Silver	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
EPA 7470A Mercury						
099-12-457-389						
Mercury	ND		mg/L	190318LA4M	099-12-457-389	03/18/19 18:37
EPA 8270C SIM PAHs						
099-06-008-1107						
Naphthalene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
2-Methylnaphthalene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
1-Methylnaphthalene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Acenaphthylene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Acenaphthene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Fluorene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Phenanthrene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Anthracene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Fluoranthene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Pyrene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (a) Anthracene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Chrysene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (k) Fluoranthene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (b) Fluoranthene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (a) Pyrene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Indeno (1,2,3-c,d) Pyrene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Dibenz (a,h) Anthracene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (g,h,i) Perylene	ND		ug/L	190312L02	099-06-008-1107	03/15/19 21:33
Surr: Nitrobenzene-d5 (28-139%)	*93%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
Surr: 2-Fluorobiphenyl (33-144%)	*94%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
Surr: p-Terphenyl-d14 (23-160%)	*104%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
EPA 8260B Volatile Organics						
099-12-878-795						
Benzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Toluene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Ethylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
o-Xylene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
p/m-Xylene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Xylenes (total)	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Methyl-t-Butyl Ether (MTBE)	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,1,2-Tetrachloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,1-Trichloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2,2-Tetrachloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2-Trichloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloroethene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloropropene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,3-Trichlorobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,3-Trichloropropane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,4-Trichlorobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,4-Trimethylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,3,5-Trimethylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
c-1,2-Dichloroethene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dibromo-3-Chloropropane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dibromoethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichlorobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichloropropane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
t-1,2-Dichloroethene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
c-1,3-Dichloropropene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,3-Dichlorobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,3-Dichloropropane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
t-1,3-Dichloropropene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
1,4-Dichlorobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
2,2-Dichloropropane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
2-Chlorotoluene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
4-Chlorotoluene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
4-Methyl-2-Pentanone	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Acetone	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Bromobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Bromochloromethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0439
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
Bromoform	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Bromomethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Carbon Disulfide	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Carbon Tetrachloride	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Chlorobenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Dibromochloromethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Chloroethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Chloroform	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Chloromethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Dibromomethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Bromodichloromethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Dichlorodifluoromethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Hexachloro-1,3-Butadiene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Isopropylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
2-Butanone	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Methylene Chloride	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
2-Hexanone	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Naphthalene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
n-Butylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
n-Propylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
p-Isopropyltoluene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
sec-Butylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Styrene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
tert-Butylbenzene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Tetrachloroethene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Trichloroethene	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Trichlorofluoromethane	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Vinyl Chloride	ND		ug/L	190313L016	099-12-878-795	03/13/19 12:26
Surr: 1,4-Bromofluorobenzene (68-120%)	*97%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: Dibromofluoromethane (80-127%)	*89%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: Toluene-d8 (80-120%)	*100%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
SM 2320B Alkalinity						
099-17-086-263						
Alkalinity, Total (as CaCO3)	ND		mg/L	J0309ALKB1	099-17-086-263	03/09/19 11:55
SM 2320B Alkalinity						
099-17-086-261						
Alkalinity, Total (as CaCO3)	ND		mg/L	J0309ALKB1	099-17-086-261	03/09/19 11:55

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
SM 2540 C Total Dissolved Solids						
099-12-180-6744						
Solids, Total Dissolved	ND		mg/L	J0312TDSL2	099-12-180-6744	03/12/19 21:30
SM 4500-CL C Chloride						
099-05-057-2249						
Chloride	ND		mg/L	J0312CLCL1	099-05-057-2249	03/12/19 18:34

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Matrix Spike

Analyte	Orig. Val.	MS Val.	Qual.	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analysis Date/Time
EPA 6010B ICP Metals										
19-03-0438-1										
Arsenic	ND	0.5179		mg/L	0.5000	104	80-140	190319SA6	19-03-0438-1	03/20/19 20:50
Barium	0.04599	0.5534		mg/L	0.5000	101	87-123	190319SA6	19-03-0438-1	03/20/19 20:50
Cadmium	ND	0.5183		mg/L	0.5000	104	82-124	190319SA6	19-03-0438-1	03/20/19 20:50
Chromium	ND	0.5215		mg/L	0.5000	104	86-122	190319SA6	19-03-0438-1	03/20/19 20:50
Lead	ND	0.5321		mg/L	0.5000	106	84-120	190319SA6	19-03-0438-1	03/20/19 20:50
Selenium	ND	0.5358		mg/L	0.5000	107	79-127	190319SA6	19-03-0438-1	03/20/19 20:50
Silver	ND	0.05166	HX	mg/L	0.2500	21	86-128	190319SA6	19-03-0438-1	03/20/19 20:50
EPA 7470A Mercury										
19-03-0817-1										
Mercury	ND	0.009522		mg/L	0.01000	95	80-120	190318SA4	19-03-0817-1	03/18/19 18:44
EPA 8260B Volatile Organics										
19-03-0438-1										
Benzene	ND	10.56		ug/L	10.00	106	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Toluene	ND	10.53		ug/L	10.00	105	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Ethylbenzene	ND	10.65		ug/L	10.00	107	75-125	190313S009	19-03-0438-1	03/13/19 15:25
o-Xylene	ND	10.46		ug/L	10.00	105	75-127	190313S009	19-03-0438-1	03/13/19 15:25
p/m-Xylene	ND	21.26		ug/L	20.00	106	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Methyl-t-Butyl Ether (MTBE)	ND	7.674		ug/L	10.00	77	71-131	190313S009	19-03-0438-1	03/13/19 15:25
Tert-Butyl Alcohol (TBA)	ND	63.39		ug/L	50.00	127	20-180	190313S009	19-03-0438-1	03/13/19 15:25
Diisopropyl Ether (DIPE)	ND	9.905		ug/L	10.00	99	64-136	190313S009	19-03-0438-1	03/13/19 15:25
Ethyl-t-Butyl Ether (ETBE)	ND	8.341		ug/L	10.00	83	73-133	190313S009	19-03-0438-1	03/13/19 15:25
Tert-Amyl-Methyl Ether (TAME)	ND	9.593		ug/L	10.00	96	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Ethanol	ND	137.9		ug/L	100.0	138	73-139	190313S009	19-03-0438-1	03/13/19 15:25
1,1-Dichloroethene	ND	10.24		ug/L	10.00	102	66-126	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dibromoethane	ND	9.988		ug/L	10.00	100	75-126	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dichlorobenzene	ND	10.25		ug/L	10.00	102	75-125	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dichloroethane	ND	9.825		ug/L	10.00	98	75-127	190313S009	19-03-0438-1	03/13/19 15:25
Carbon Tetrachloride	ND	8.573		ug/L	10.00	86	69-135	190313S009	19-03-0438-1	03/13/19 15:25
Chlorobenzene	ND	9.979		ug/L	10.00	100	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Trichloroethene	ND	10.43		ug/L	10.00	104	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Vinyl Chloride	ND	11.88		ug/L	10.00	119	52-142	190313S009	19-03-0438-1	03/13/19 15:25
SM 4500-CL C Chloride										
19-03-0717-4										
Chloride	4.651	106.3		mg/L	100.0	102	80-120	J0312CLCS1	19-03-0717-4	03/12/19 18:34

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Matrix Spike Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 6010B ICP Metals												
19-03-0438-1												
Arsenic	ND	0.5082		mg/L	0.5000	102	80-140	2	0-11	190319SA6	19-03-0438-1	03/20/19 20:52
Barium	0.04599	0.5548		mg/L	0.5000	102	87-123	0	0-6	190319SA6	19-03-0438-1	03/20/19 20:52
Cadmium	ND	0.5163		mg/L	0.5000	103	82-124	0	0-7	190319SA6	19-03-0438-1	03/20/19 20:52
Chromium	ND	0.5230		mg/L	0.5000	105	86-122	0	0-8	190319SA6	19-03-0438-1	03/20/19 20:52
Lead	ND	0.5310		mg/L	0.5000	106	84-120	0	0-7	190319SA6	19-03-0438-1	03/20/19 20:52
Selenium	ND	0.5236		mg/L	0.5000	105	79-127	2	0-9	190319SA6	19-03-0438-1	03/20/19 20:52
Silver	ND	0.05088	HX	mg/L	0.2500	20	86-128	2	0-7	190319SA6	19-03-0438-1	03/20/19 20:52
EPA 7470A Mercury												
19-03-0817-1												
Mercury	ND	0.009002		mg/L	0.01000	90	80-120	6	0-14	190318SA4	19-03-0817-1	03/18/19 18:46
EPA 8260B Volatile Organics												
19-03-0438-1												
Benzene	ND	10.21		ug/L	10.00	102	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Toluene	ND	10.16		ug/L	10.00	102	75-125	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethylbenzene	ND	10.24		ug/L	10.00	102	75-125	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
o-Xylene	ND	10.17		ug/L	10.00	102	75-127	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
p/m-Xylene	ND	20.71		ug/L	20.00	104	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Methyl-t-Butyl Ether (MTBE)	ND	7.429		ug/L	10.00	74	71-131	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Tert-Butyl Alcohol (TBA)	ND	66.02		ug/L	50.00	132	20-180	4	0-40	190313S009	19-03-0438-1	03/13/19 15:52
Diisopropyl Ether (DIPE)	ND	9.671		ug/L	10.00	97	64-136	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethyl-t-Butyl Ether (ETBE)	ND	8.111		ug/L	10.00	81	73-133	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Tert-Amyl-Methyl Ether (TAME)	ND	9.331		ug/L	10.00	93	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethanol	ND	138.5		ug/L	100.0	139	73-139	0	0-27	190313S009	19-03-0438-1	03/13/19 15:52
1,1-Dichloroethene	ND	9.936		ug/L	10.00	99	66-126	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dibromoethane	ND	9.765		ug/L	10.00	98	75-126	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dichlorobenzene	ND	9.918		ug/L	10.00	99	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dichloroethane	ND	9.484		ug/L	10.00	95	75-127	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Carbon Tetrachloride	ND	8.680		ug/L	10.00	87	69-135	1	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Chlorobenzene	ND	9.742		ug/L	10.00	97	75-125	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Trichloroethene	ND	10.22		ug/L	10.00	102	75-125	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Vinyl Chloride	ND	11.84		ug/L	10.00	118	52-142	0	0-20	190313S009	19-03-0438-1	03/13/19 15:52
SM 4500-CL C Chloride												
19-03-0717-4												
Chloride	4.651	106.3		mg/L	100.0	102	80-120	0	0-25	J0312CLCS1	19-03-0717-4	03/12/19 18:34

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Post Digestion Spike

Analyte	Orig. Val.	PDS Val.	Qual.	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analysis Date/Time
EPA 6010B ICP Metals										
19-03-0438-1										
Arsenic	ND	0.5095		mg/L	0.5000	102	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Barium	0.04599	0.6058		mg/L	0.5000	112	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Cadmium	ND	0.5271		mg/L	0.5000	105	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Chromium	ND	0.5118		mg/L	0.5000	102	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Lead	ND	0.5399		mg/L	0.5000	108	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Selenium	ND	0.5521		mg/L	0.5000	110	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Silver	ND	0.2567		mg/L	0.2500	103	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
EPA 7470A Mercury										
19-03-0817-1										
Mercury	ND	0.009098		mg/L	0.01000	91	75-125	190318SA4	19-03-0817-1	03/18/19 18:53

Return to Contents

Qual: Qualifiers

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Post Digestion Spike Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 6010B ICP Metals												
19-03-0438-1												
Arsenic	ND	0.4948		mg/L	0.5000	99	75-125	3	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Barium	0.04599	0.6071		mg/L	0.5000	112	75-125	0	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Cadmium	ND	0.5322		mg/L	0.5000	106	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Chromium	ND	0.5146		mg/L	0.5000	103	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Lead	ND	0.5437		mg/L	0.5000	109	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Selenium	ND	0.5552		mg/L	0.5000	111	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Silver	ND	0.2556		mg/L	0.2500	102	75-125	0	0-20	190319SA6	19-03-0438-1	03/21/19 14:20

Return to Contents

Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Sample Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
SM 2320B Alkalinity									
19-03-0439-2									
Alkalinity, Total (as CaCO3)	161.2	167.0		mg/L	4	0-25	J0309ALKD1	19-03-0439-2	03/09/19 11:55
SM 2540 C Total Dissolved Solids									
19-03-0439-2									
Solids, Total Dissolved	690.0	635.0		mg/L	8	0-20	J0312TDSD3	19-03-0439-2	03/12/19 21:30

Return to Contents

RPD: Relative Percent Difference.

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
EPA 300.0 Anions								
099-12-906-9218								
Sulfate	50.00	46.22		mg/L	92	90-110	190311L01	03/11/19 15:49
EPA 6010B ICP Metals								
097-01-003-17303								
Arsenic	0.5000	0.5052		mg/L	101	80-120	190319LA6	03/21/19 14:16
Barium	0.5000	0.5367		mg/L	107	80-120	190319LA6	03/21/19 14:16
Cadmium	0.5000	0.5281		mg/L	106	80-120	190319LA6	03/21/19 14:16
Chromium	0.5000	0.5326		mg/L	107	80-120	190319LA6	03/21/19 14:16
Lead	0.5000	0.5431		mg/L	109	80-120	190319LA6	03/21/19 14:16
Selenium	0.5000	0.4857		mg/L	97	80-120	190319LA6	03/21/19 14:16
Silver	0.2500	0.2492		mg/L	100	80-120	190319LA6	03/21/19 14:16
EPA 7470A Mercury								
099-12-457-389								
Mercury	0.01000	0.009010		mg/L	90	80-120	190318LA4M	03/18/19 18:39
EPA 8270C SIM PAHs								
099-06-008-1107								
Naphthalene	2.000	1.905		ug/L	95	21-133	190312L02	03/15/19 21:53
2-Methylnaphthalene	2.000	2.027		ug/L	101	21-140	190312L02	03/15/19 21:53
1-Methylnaphthalene	2.000	1.844		ug/L	92	20-140	190312L02	03/15/19 21:53
Acenaphthylene	2.000	1.930		ug/L	97	33-145	190312L02	03/15/19 21:53
Acenaphthene	2.000	1.759		ug/L	88	55-121	190312L02	03/15/19 21:53
Fluorene	2.000	1.927		ug/L	96	59-121	190312L02	03/15/19 21:53
Phenanthrene	2.000	2.020		ug/L	101	54-120	190312L02	03/15/19 21:53
Anthracene	2.000	2.040		ug/L	102	27-133	190312L02	03/15/19 21:53
Fluoranthene	2.000	2.009		ug/L	100	26-137	190312L02	03/15/19 21:53
Pyrene	2.000	2.029		ug/L	101	45-129	190312L02	03/15/19 21:53
Benzo (a) Anthracene	2.000	2.109		ug/L	105	33-143	190312L02	03/15/19 21:53
Chrysene	2.000	2.009		ug/L	100	17-168	190312L02	03/15/19 21:53
Benzo (k) Fluoranthene	2.000	1.761		ug/L	88	24-159	190312L02	03/15/19 21:53
Benzo (b) Fluoranthene	2.000	2.203		ug/L	110	24-159	190312L02	03/15/19 21:53
Benzo (a) Pyrene	2.000	2.451		ug/L	123	17-163	190312L02	03/15/19 21:53
Indeno (1,2,3-c,d) Pyrene	2.000	2.129		ug/L	106	25-175	190312L02	03/15/19 21:53
Dibenz (a,h) Anthracene	2.000	2.193		ug/L	110	25-175	190312L02	03/15/19 21:53
Benzo (g,h,i) Perylene	2.000	2.167		ug/L	108	25-157	190312L02	03/15/19 21:53

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

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
EPA 8260B Volatile Organics								
099-12-878-795								
Benzene	10.00	10.78		ug/L	108	80-120	190313L016	03/13/19 10:16
Toluene	10.00	10.78		ug/L	108	80-120	190313L016	03/13/19 10:16
Ethylbenzene	10.00	11.02		ug/L	110	80-120	190313L016	03/13/19 10:16
o-Xylene	10.00	10.97		ug/L	110	80-120	190313L016	03/13/19 10:16
p/m-Xylene	20.00	22.28		ug/L	111	80-120	190313L016	03/13/19 10:16
Methyl-t-Butyl Ether (MTBE)	10.00	7.565		ug/L	76	75-123	190313L016	03/13/19 10:16
Tert-Butyl Alcohol (TBA)	50.00	55.96		ug/L	112	80-120	190313L016	03/13/19 10:16
Diisopropyl Ether (DIPE)	10.00	10.41		ug/L	104	73-121	190313L016	03/13/19 10:16
Ethyl-t-Butyl Ether (ETBE)	10.00	8.578		ug/L	86	76-124	190313L016	03/13/19 10:16
Tert-Amyl-Methyl Ether (TAME)	10.00	9.795		ug/L	98	80-120	190313L016	03/13/19 10:16
Ethanol	100.0	137.5	LQ,RU	ug/L	137	73-133	190313L016	03/13/19 10:16
1,1-Dichloroethene	10.00	10.17		ug/L	102	77-120	190313L016	03/13/19 10:16
1,2-Dibromoethane	10.00	10.29		ug/L	103	80-120	190313L016	03/13/19 10:16
1,2-Dichlorobenzene	10.00	10.46		ug/L	105	80-120	190313L016	03/13/19 10:16
1,2-Dichloroethane	10.00	9.904		ug/L	99	80-122	190313L016	03/13/19 10:16
Carbon Tetrachloride	10.00	9.106		ug/L	91	80-129	190313L016	03/13/19 10:16
Chlorobenzene	10.00	10.54		ug/L	105	80-120	190313L016	03/13/19 10:16
Trichloroethene	10.00	10.82		ug/L	108	80-120	190313L016	03/13/19 10:16
Vinyl Chloride	10.00	11.04		ug/L	110	63-135	190313L016	03/13/19 10:16

Total number of LCS compounds: 19
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

SM 2320B Alkalinity								
099-17-086-263								
Alkalinity, Total (as CaCO3)	100.0	103.9		mg/L	104	80-120	J0309ALKB1	03/09/19 11:55
SM 2320B Alkalinity								
099-17-086-261								
Alkalinity, Total (as CaCO3)	100.0	103.9		mg/L	104	80-120	J0309ALKB1	03/09/19 11:55
SM 2540 C Total Dissolved Solids								
099-12-180-6744								
Solids, Total Dissolved	100.0	95.00		mg/L	95	80-120	J0312TDSL2	03/12/19 21:30
SM 4500-CL C Chloride								
099-05-057-2249								
Chloride	100.0	101.3		mg/L	101	80-120	J0312CLCL1	03/12/19 18:34

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 300.0 Anions											
099-12-906-9218											
Sulfate	50.00	49.48		mg/L	99	90-110	7	0-15	190311L01	099-12-906-9218	03/11/19 16:26
EPA 8270C SIM PAHs											
099-06-008-1107											
Naphthalene	2.000	1.936		ug/L	97	21-133	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
2-Methylnaphthalene	2.000	2.043		ug/L	102	21-140	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
1-Methylnaphthalene	2.000	1.856		ug/L	93	20-140	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Acenaphthylene	2.000	1.932		ug/L	97	33-145	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Acenaphthene	2.000	1.763		ug/L	88	55-121	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Fluorene	2.000	1.889		ug/L	94	59-121	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Phenanthrene	2.000	2.033		ug/L	102	54-120	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Anthracene	2.000	2.039		ug/L	102	27-133	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Fluoranthene	2.000	1.997		ug/L	100	26-137	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Pyrene	2.000	2.069		ug/L	103	45-129	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (a) Anthracene	2.000	2.111		ug/L	106	33-143	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Chrysene	2.000	2.021		ug/L	101	17-168	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (k) Fluoranthene	2.000	1.809		ug/L	90	24-159	3	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (b) Fluoranthene	2.000	2.225		ug/L	111	24-159	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (a) Pyrene	2.000	2.481		ug/L	124	17-163	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Indeno (1,2,3-c,d) Pyrene	2.000	2.217		ug/L	111	25-175	4	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Dibenz (a,h) Anthracene	2.000	2.262		ug/L	113	25-175	3	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (g,h,i) Perylene	2.000	2.244		ug/L	112	25-157	4	0-25	190312L02	099-06-008-1107	03/15/19 22:12

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

SM 2320B Alkalinity											
099-17-086-263											
Alkalinity, Total (as CaCO3)	100.0	102.4		mg/L	102	80-120	1	0-20	J0309ALKB1	099-17-086-263	03/09/19 11:55
SM 2320B Alkalinity											
099-17-086-261											
Alkalinity, Total (as CaCO3)	100.0	102.4		mg/L	102	80-120	1	0-20	J0309ALKB1	099-17-086-261	03/09/19 11:55
SM 2540 C Total Dissolved Solids											
099-12-180-6744											
Solids, Total Dissolved	100.0	100.0		mg/L	100	80-120	5	0-20	J0312TDSL2	099-12-180-6744	03/12/19 21:30
SM 4500-CL C Chloride											

Qual - Qualifiers RPD: Relative Percent Difference

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0439
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
099-05-057-2249											
Chloride	100.0	100.8		mg/L	101	80-120	0	0-20	J0312CLCL1	099-05-057-2249	03/12/19 18:34

Return to Contents

Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Work Order: 19-03-0439 Page 1 of 1

Sample Analysis Summary Report

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	1027	IC 9	1
EPA 6010B	EPA 3010A Total	1080	ICP 8300	1
EPA 7470A	EPA 7470A Total	868	Mercury 08	1
EPA 8260B	EPA 5030C	1126	GC/MS L	2
EPA 8270C SIM PAHs	EPA 3510C	923	GC/MS AAA	1
SM 2320B	N/A	1168	PCT 1	1
SM 2540 C	N/A	1183	N/A	1
SM 4500-Cl C	N/A	1168	BUR02	1

Return to Contents

Location 1: 7440 Lincoln Way, Garden Grove, CA 92841
Location 2: 7445 Lampson Avenue, Garden Grove, CA 92841

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The difference is service

Work Order: 19-03-0439 Page 1 of 1

Glossary of Terms and Qualifiers

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.

Return to Contents

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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station

CHAIN OF CUSTODY RECORD

DATE: 3-5-19

ExxonMobil Engr: Maria Madden

LABORATORY CLIENT: Cardno

ADDRESS: 25371 Comemrcentre Drive. Suite 250

CITY: Lake Forest, CA 92630

TEL: 949-457-8941 FAX: 949-457-8956 dave.purdy@cardno.com

GLOBAL ID # / COELT LOG CODE:

PROJECT CONTACT: David Purdy

SAMPLER(S): Clint Calip Jr. Vicent Nguyen

EMES Sub Agreement #A2604415

LAB USE ONLY: 19-03-0439

COOLER RECEIPT Temp = _____ °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only (TC# 6401)	EPA 8270C SIM PAHs (TC# 4741)	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag only (TC# 2516)	EPA 7470A Mercury (TC# 5096)	EPA 300.0 Sulfate (TC# 5431)	SM 2320B Alkalinity (TC# 6512) and SM 4500-Cl C Chloride (TC# 755)	SM 2540C Total Dissolved Solids (TC# 4942)	CONTAINER TYPE
1	W-40-MW19	MW#19	3-5-19	1200	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
2	W-40-BH/MW30	BH/MW30	3-5-19	1255	W	12	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic (2)
3	W-39-B3/MW29	B3/MW29	3-5-19	1516	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
4	W-41-B2/MW28	B2/MW28	3-5-19	1530	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
5					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
6					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
7					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
8					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
5	Trip Blanks	QCTB	—	—	W	3	*	—	—	—	—	—	—	

Relinquished by: (Signature)	Received by: (Signature) FedEx	Date, & Time: 3/6/19 ; 1700
Relinquished by: (Signature) (Fedex)	Received by: (Signature)	Date, & Time: 3/7/19 10:10
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

COC\Gladiola Station-NM Site COC-13 samples

Return to Contents

0439

ORIGIN ID:HOBA (949) 273-6302

CARDNO
20505 CRESCENT BAY DR

LAKE FOREST, CA 92630
UNITED STATES US

SHIP DATE: 06MAR19
ACTWGT: 69.20 LB
CAD: 006994246/SSFE1922
DIMS: 15x15x15 IN

BILL THIRD PARTY

TO EUROFINS CALSCIENCE
EUROFINS CALSCIENCE
7440 LINCOLN WAY

GARDEN GROVE CA 92841

(714) 895-5494 REF:

INV:
PO: DEPT:

FedEx Express

THU - 07 MAR 3:00P
STANDARD OVERNIGHT

TRK# 0201 7858 8044 9992

MASTER

A7 APVA

92841
CA-US SNA

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WORK ORDER NUMBER: 19-03-0439

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Cardno

DATE: 03/07/2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2 - 7 °C (w/ CF): 2-2 °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: SM6

CUSTODY SEAL:

Cooler ☑ Present and Intact ☐ Present but Not Intact ☐ Not Present ☐ N/A Checked by: SM6

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

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: 190219C)

Aqueous: ☐ VOA ☑ VOA**h** (2) ☐ VOA**na₂** ☐ 100PJ ☐ 100PJ**na₂** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☑ 125PB ☐ 125PB**znna** (pH__9)

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

☑ 1AGB (2) ☐ 1AGB**na₂** ☐ 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, **na₂** = $Na_2S_2O_3$, **p** = H_3PO_4, Labeled/Checked by: 1053

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

Donald Burley

From: Christine Capwell <christine.capwell@cardno.com>
Sent: Thursday, June 06, 2019 10:25 AM
To: Donald Burley
Cc: Cecile L de Guia
Subject: RE: ExxonMobil Gladiola Station / ECI 19-03-0439
Attachments: 19-03-0439.pdf

EXTERNAL EMAIL*

Hi Don,

I just received an out of office message from Cecile. Would you be able to take care of this request?

Thank you!

Christine Capwell
SENIOR TECHNICAL EDITOR
CARDNO

Office +1 707 766 2000 Direct +1 707 766 2055 Fax +1 707 789 0414
Address 601 North McDowell Boulevard , Petaluma, California 94954
Email christine.capwell@cardno.com Web www.cardno.com

Return to Contents

From: Christine Capwell
Sent: Thursday, June 06, 2019 10:18 AM
To: Cecile L de Guia <CecileLdeGuia@eurofinsUS.com>
Subject: RE: ExxonMobil Gladiola Station / ECI 19-03-0439

Hi Cecile,

Sample 3 was inadvertently labeled MW28 instead of MW29 in the lab. Can you please send us a revised PDF?

Thank you!

Christine Capwell
SENIOR TECHNICAL EDITOR
CARDNO

Office +1 707 766 2000 Direct +1 707 766 2055 Fax +1 707 789 0414
Address 601 North McDowell Boulevard , Petaluma, California 94954
Email christine.capwell@cardno.com Web www.cardno.com

From: Cecile L de Guia [mailto:CecileLdeGuia@eurofinsUS.com]
Sent: Friday, March 22, 2019 5:07 PM
To: David Purdy <dave.purdy@cardno.com>
Cc: labs01 <labs01@cardno.com>
Subject: ExxonMobil Gladiola Station / ECI 19-03-0439

Hello,

Report & EDD are attached.

Thanks,
Sandy

Return to Contents

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WORK ORDER NUMBER: 19-03-0438

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For
Client: Cardno
Client Project Name: ExxonMobil Gladiola Station
Attention: David Purdy
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Approved for release on 03/22/2019 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil Gladiola Station
Work Order Number: 19-03-0438

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The difference is service

Work Order: 19-03-0438 Page 1 of 1

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/07/19. They were assigned to Work Order 19-03-0438.

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.

Return to Contents

eurofins | Calscience

The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	PO Number:	Gladiola Station
		Date/Time Received:	03/07/19 10:15
		Number of Containers:	47
Attn:	David Purdy		

Sample Summary

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-39-B1/MW27	19-03-0438-1	03/06/19 11:45	11	Aqueous
W-42-MW22	19-03-0438-2	03/06/19 14:03	10	Aqueous
W-41-MW17	19-03-0438-3	03/06/19 11:05	11	Aqueous
W-41-B6/MW32	19-03-0438-4	03/06/19 14:30	12	Aqueous
Trip Blanks	19-03-0438-5	03/06/19 00:00	3	Aqueous

Return to Contents

eurofins | Calscience

The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 1 (W-39-B1/MW27, Aqueous) Sampled: 03/06/19 11:45									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	130		mg/L	0.98	2.0	2.00	03/09/19 18:53	EPA 300.0	190309L01
SM 2320B Alkalinity (Extraction Method: N/A) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	160		mg/L	1.7	5.0	1.00	03/08/19 17:09	SM 2320B	J0308ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	810		mg/L	0.870	1.00	1.00	03/12/19 19:30	SM 2540 C	J0312TDSL1
SM 4500-CL C Chloride (Extraction Method: N/A) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	310		mg/L	5.9	20	10.0	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 20:48	EPA 6010B	190319LA6
Barium	0.0460		mg/L	0.00308	0.0100	1.00	03/20/19 20:48	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 20:48	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 20:48	EPA 6010B	190319LA6
Lead	0.0122	J	mg/L	0.00821	0.0500	1.00	03/20/19 20:48	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 20:48	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 20:48	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:38	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		mg/L	0.000072	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		mg/L	0.000066	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Fluoranthene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000070	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000076	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000065	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000079	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000084	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000081	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000076	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000093	0.00019	1.00	03/15/19 22:32	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*81%*						*03/15/19 22:32*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*83%*						*03/15/19 22:32*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*89%*						*03/15/19 22:32*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.000083	J	mg/L	0.000072	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
p/m-Xylene	ND		mg/L	0.00015	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Xylenes (total)	ND		mg/L	0.000086	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2,4-Trimethylbenzene	ND		mg/L	0.000068	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		mg/L	0.000079	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Acetone	ND		mg/L	0.0040	0.010	1.00	03/13/19 13:36	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 13:36	EPA 8260B	190313L016
Isopropylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 13:36	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 13:36	EPA 8260B	190313L016
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/13/19 13:36	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
n-Propylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
p-Isopropyltoluene	ND		mg/L	0.000074	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
sec-Butylbenzene	ND		mg/L	0.000095	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
tert-Butylbenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 13:36	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*96%*						*03/13/19 13:36*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*94%*						*03/13/19 13:36*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*91%*						*03/13/19 13:36*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*100%*						*03/13/19 13:36*	*EPA 8260B*	*190313L016*
Sample ID: 2 (W-42-MW22, Aqueous) Sampled: 03/06/19 14:03									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	190		mg/L	2.4	5.0	5.00	03/09/19 19:13	EPA 300.0	190309L01
SM 2320B Alkalinity (Extraction Method: N/A) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	260		mg/L	1.7	5.0	1.00	03/08/19 17:09	SM 2320B	J0308ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	600		mg/L	0.870	1.00	1.00	03/12/19 19:30	SM 2540 C	J0312TDSL1
SM 4500-CL C Chloride (Extraction Method: N/A) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	36		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 20:53	EPA 6010B	190319LA6
Barium	0.0212		mg/L	0.00308	0.0100	1.00	03/20/19 20:53	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 20:53	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 20:53	EPA 6010B	190319LA6
Lead	0.0120	J	mg/L	0.00821	0.0500	1.00	03/20/19 20:53	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 20:53	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 20:53	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:40	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		mg/L	0.000072	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		mg/L	0.000066	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000070	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000076	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000065	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000079	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000084	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000081	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000076	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000093	0.00019	1.00	03/15/19 22:51	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*100%*						*03/15/19 22:51*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*101%*						*03/15/19 22:51*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*108%*						*03/15/19 22:51*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		mg/L	0.000072	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
p/m-Xylene	ND		mg/L	0.00015	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Xylenes (total)	ND		mg/L	0.000086	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	ND		mg/L	0.000068	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		mg/L	0.000079	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Acetone	ND		mg/L	0.0040	0.010	1.00	03/13/19 14:03	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 14:03	EPA 8260B	190313L016
Isopropylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 14:03	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 14:03	EPA 8260B	190313L016
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/13/19 14:03	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
n-Propylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
p-Isopropyltoluene	ND		mg/L	0.000074	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
sec-Butylbenzene	ND		mg/L	0.000095	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
tert-Butylbenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 14:03	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*96%*						*03/13/19 14:03*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*93%*						*03/13/19 14:03*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*91%*						*03/13/19 14:03*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*100%*						*03/13/19 14:03*	*EPA 8260B*	*190313L016*

Sample ID: 3 (W-41-MW17, Aqueous) Sampled: 03/06/19 11:05

EPA 300.0 Anions (Extraction Method: N/A) Container - F
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Sulfate	ND		mg/L	0.49	1.0	1.00	03/08/19 15:30	EPA 300.0	190308L01

SM 2320B Alkalinity (Extraction Method: N/A) Container - H
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Alkalinity, Total (as CaCO3)	860		mg/L	1.7	5.0	1.00	03/08/19 17:09	SM 2320B	J0308ALKB1

SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Solids, Total Dissolved	845		mg/L	0.870	1.00	1.00	03/12/19 19:30	SM 2540 C	J0312TDSL1

SM 4500-CL C Chloride (Extraction Method: N/A) Container - H
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Chloride	7.7		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1

EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - G
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 20:59	EPA 6010B	190319LA6
Barium	10.3		mg/L	0.00308	0.0100	1.00	03/20/19 20:59	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 20:59	EPA 6010B	190319LA6

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 20:59	EPA 6010B	190319LA6
Lead	ND		mg/L	0.00821	0.0500	1.00	03/20/19 20:59	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 20:59	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 20:59	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:43	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Acenaphthylene	0.00011	J	mg/L	0.000073	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Acenaphthene	0.00016	J	mg/L	0.000059	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Fluorene	0.0017		mg/L	0.000071	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Phenanthrene	0.0010		mg/L	0.000066	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		mg/L	0.000073	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000070	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000076	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000065	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000079	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000084	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000081	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000076	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000093	0.00019	1.00	03/15/19 23:11	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*116%*						*03/15/19 23:11*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*97%*						*03/15/19 23:11*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*106%*						*03/15/19 23:11*	*EPA 8270C SIM PAHs*	*190312L02*

EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Naphthalene	0.062		mg/L	0.00072	0.0019	10.0	03/16/19 13:52	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	0.037		mg/L	0.00073	0.0019	10.0	03/16/19 13:52	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	0.030		mg/L	0.00073	0.0019	10.0	03/16/19 13:52	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*86%*						*03/16/19 13:52*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*96%*						*03/16/19 13:52*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*97%*						*03/16/19 13:52*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.12		mg/L	0.0014	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Toluene	ND		mg/L	0.0019	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Ethylbenzene	0.59		mg/L	0.0017	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
o-Xylene	0.0019	J	mg/L	0.0017	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
p/m-Xylene	0.050		mg/L	0.0030	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Xylenes (total)	0.052	JA	mg/L	0.0017	0.010	1.00	03/13/19 14:58	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.0013	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.0014	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.0017	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.0017	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.0014	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.0025	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.0012	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.0021	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.0014	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.0024	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.0015	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.0018	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	0.028		mg/L	0.0014	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	0.0033	J	mg/L	0.0016	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.0022	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.010	0.10	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.0012	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.0016	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.0015	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.0020	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.0016	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.0019	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.0020	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,3-Dichloropropane	ND		mg/L	0.0016	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.0011	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.0015	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.0075	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.0012	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.0018	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.0083	0.10	20.0	03/13/19 14:58	EPA 8260B	190313L016
Acetone	ND		mg/L	0.080	0.20	20.0	03/13/19 14:58	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.0012	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.0016	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.0019	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.020	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.0077	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.0011	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.0018	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.0013	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.0023	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.0012	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.039	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.0025	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.0011	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.0020	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.012	0.040	20.0	03/13/19 14:58	EPA 8260B	190313L016
Isopropylbenzene	0.042		mg/L	0.0015	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.0092	0.10	20.0	03/13/19 14:58	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.00085	0.020	20.0	03/13/19 14:58	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.010	0.20	20.0	03/13/19 14:58	EPA 8260B	190313L016
Naphthalene	0.061	J	mg/L	0.0019	0.20	20.0	03/13/19 14:58	EPA 8260B	190313L016
n-Butylbenzene	0.0033	J	mg/L	0.0022	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
n-Propylbenzene	0.035		mg/L	0.0015	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
p-Isopropyltoluene	ND		mg/L	0.0015	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
sec-Butylbenzene	0.0052	J	mg/L	0.0019	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Styrene	ND		mg/L	0.0012	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
tert-Butylbenzene	ND		mg/L	0.0016	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.0048	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.0020	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.0021	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.0016	0.010	20.0	03/13/19 14:58	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*99%*						*03/13/19 14:58*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*93%*						*03/13/19 14:58*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*93%*						*03/13/19 14:58*	*EPA 8260B*	*190313L016*

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Surr: Toluene-d8 (80-120%)	*99%*						*03/13/19 14:58*	*EPA 8260B*	*190313L016*
Sample ID: 4 (W-41-B6/MW32, Aqueous) Sampled: 03/06/19 14:30									
EPA 300.0 Anions (Extraction Method: N/A) Container - F - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	46		mg/L	0.49	1.0	1.00	03/08/19 15:50	EPA 300.0	190308L01
SM 2320B Alkalinity (Extraction Method: N/A) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	460		mg/L	1.7	5.0	1.00	03/08/19 17:09	SM 2320B	J0308ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	645		mg/L	0.870	1.00	1.00	03/12/19 19:30	SM 2540 C	J0312TDSL1
SM 4500-CL C Chloride (Extraction Method: N/A) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	55		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/20/19 21:01	EPA 6010B	190319LA6
Barium	0.235		mg/L	0.00308	0.0100	1.00	03/20/19 21:01	EPA 6010B	190319LA6
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/20/19 21:01	EPA 6010B	190319LA6
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/20/19 21:01	EPA 6010B	190319LA6
Lead	0.0116	J	mg/L	0.00821	0.0500	1.00	03/20/19 21:01	EPA 6010B	190319LA6
Selenium	ND		mg/L	0.0244	0.100	1.00	03/20/19 21:01	EPA 6010B	190319LA6
Silver	ND		mg/L	0.00298	0.0100	1.00	03/20/19 21:01	EPA 6010B	190319LA6
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - G - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	ND		mg/L	0.0000453	0.000200	1.00	03/19/19 14:45	EPA 7470A	190318LA4M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - k - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	0.00069		mg/L	0.000075	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	0.00014	J	mg/L	0.000076	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	0.00071		mg/L	0.000076	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000076	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Acenaphthene	0.00010	J	mg/L	0.000062	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Fluorene	0.00056		mg/L	0.000074	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		mg/L	0.000069	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Anthracene	ND		mg/L	0.000069	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		mg/L	0.000076	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000073	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000079	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000067	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000082	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000087	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000084	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000079	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000097	0.00020	1.00	03/15/19 23:30	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*97%*						*03/15/19 23:30*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*93%*						*03/15/19 23:30*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*104%*						*03/15/19 23:30*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.0020		mg/L	0.000072	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Toluene	0.00012	J	mg/L	0.000093	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Ethylbenzene	0.00017	J	mg/L	0.000087	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
p/m-Xylene	0.00048	J	mg/L	0.00015	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Xylenes (total)	0.00048	JA	mg/L	0.000086	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	0.0012		mg/L	0.000068	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	0.0041		mg/L	0.000079	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Acetone	ND		mg/L	0.0040	0.010	1.00	03/13/19 14:30	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 14:30	EPA 8260B	190313L016
Isopropylbenzene	0.0023		mg/L	0.000076	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 14:30	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 14:30	EPA 8260B	190313L016
Naphthalene	0.00071	J	mg/L	0.000097	0.010	1.00	03/13/19 14:30	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
n-Propylbenzene	0.00012	J	mg/L	0.000076	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
p-Isopropyltoluene	0.00064		mg/L	0.000074	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
sec-Butylbenzene	0.0019		mg/L	0.000095	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
tert-Butylbenzene	0.0011		mg/L	0.000082	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 14:30	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*101%*						*03/13/19 14:30*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*92%*						*03/13/19 14:30*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*91%*						*03/13/19 14:30*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*101%*						*03/13/19 14:30*	*EPA 8260B*	*190313L016*

Sample ID: 5 (Trip Blanks, Aqueous) Sampled: 03/06/19 00:00

EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Benzene	ND		mg/L	0.000072	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
o-Xylene	0.00033	J	mg/L	0.000086	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
p/m-Xylene	0.00026	J	mg/L	0.00015	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Xylenes (total)	0.00058	JA	mg/L	0.000086	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	0.00010	J	mg/L	0.000068	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		mg/L	0.000079	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Acetone	0.0056	J	mg/L	0.0040	0.010	1.00	03/13/19 13:09	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 13:09	EPA 8260B	190313L016
Isopropylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Methylene Chloride	0.000059	J	mg/L	0.000042	0.0010	1.00	03/13/19 13:09	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 13:09	EPA 8260B	190313L016
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/13/19 13:09	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
n-Propylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
p-Isopropyltoluene	ND		mg/L	0.000074	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
sec-Butylbenzene	ND		mg/L	0.000095	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
tert-Butylbenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016

Return to Contents

eurofins | Calscience

The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 13:09	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*95%*						*03/13/19 13:09*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*86%*						*03/13/19 13:09*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*85%*						*03/13/19 13:09*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*99%*						*03/13/19 13:09*	*EPA 8260B*	*190313L016*

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
EPA 300.0 Anions						
099-12-906-9217						
Sulfate	ND		mg/L	190309L01	099-12-906-9217	03/09/19 13:20
EPA 300.0 Anions						
099-12-906-9216						
Sulfate	ND		mg/L	190308L01	099-12-906-9216	03/08/19 11:13
SM 2320B Alkalinity						
099-17-086-258						
Alkalinity, Total (as CaCO3)	ND		mg/L	J0308ALKB1	099-17-086-258	03/08/19 17:09
SM 2540 C Total Dissolved Solids						
099-12-180-6745						
Solids, Total Dissolved	ND		mg/L	J0312TDSL1	099-12-180-6745	03/12/19 19:30
SM 4500-CL C Chloride						
099-05-057-2249						
Chloride	ND		mg/L	J0312CLCL1	099-05-057-2249	03/12/19 18:34
EPA 6010B ICP Metals						
097-01-003-17303						
Arsenic	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Barium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Cadmium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Chromium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Lead	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Selenium	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
Silver	ND		mg/L	190319LA6	097-01-003-17303	03/20/19 20:42
EPA 7470A Mercury						
099-12-457-389						
Mercury	ND		mg/L	190318LA4M	099-12-457-389	03/18/19 18:37
EPA 8270C SIM PAHs						
099-06-008-1107						
Naphthalene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
2-Methylnaphthalene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
1-Methylnaphthalene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Acenaphthylene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Acenaphthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Fluorene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Phenanthrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Anthracene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Fluoranthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
Pyrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (a) Anthracene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Chrysene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (k) Fluoranthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (b) Fluoranthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (a) Pyrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Dibenz (a,h) Anthracene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (g,h,i) Perylene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Surr: Nitrobenzene-d5 (28-139%)	*93%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
Surr: 2-Fluorobiphenyl (33-144%)	*94%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
Surr: p-Terphenyl-d14 (23-160%)	*104%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
EPA 8260B Volatile Organics						
099-12-878-795						
Benzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Toluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Ethylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
o-Xylene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
p/m-Xylene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Xylenes (total)	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,1,2-Tetrachloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,1-Trichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2,2-Tetrachloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2-Trichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloropropene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,3-Trichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,3-Trichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,4-Trichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,4-Trimethylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,3,5-Trimethylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
c-1,2-Dichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dibromo-3-Chloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dibromoethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
t-1,2-Dichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
c-1,3-Dichloropropene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,3-Dichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,3-Dichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
t-1,3-Dichloropropene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,4-Dichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2,2-Dichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2-Chlorotoluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
4-Chlorotoluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
4-Methyl-2-Pentanone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Acetone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromochloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromoform	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromomethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Carbon Disulfide	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Carbon Tetrachloride	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Dibromochloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chloroform	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Dibromomethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromodichloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Dichlorodifluoromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Hexachloro-1,3-Butadiene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Isopropylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2-Butanone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Methylene Chloride	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2-Hexanone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Naphthalene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
n-Butylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
n-Propylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
p-Isopropyltoluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
sec-Butylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Styrene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
tert-Butylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Tetrachloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Trichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Trichlorofluoromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Vinyl Chloride	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26

Return to Contents

eurofins | Calscience

The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19
Attn:	David Purdy		

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
Surr: 1,4-Bromofluorobenzene (68-120%)	*97%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: Dibromofluoromethane (80-127%)	*89%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: Toluene-d8 (80-120%)	*100%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*

Return to Contents

eurofins | Calscience

The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Matrix Spike

Analyte	Orig. Val.	MS Val.	Qual.	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analysis Date/Time
EPA 300.0 Anions										
19-03-0627-3										
Sulfate	205.8	256.5		mg/L	50.00	101	80-120	190309S01	19-03-0627-3	03/09/19 17:31
EPA 300.0 Anions										
19-03-0468-1										
Sulfate	3.492	53.91		mg/L	50.00	101	80-120	190308S01	19-03-0468-1	03/08/19 17:53
SM 4500-CL C Chloride										
19-03-0717-4										
Chloride	4.651	106.3		mg/L	100.0	102	80-120	J0312CLCS1	19-03-0717-4	03/12/19 18:34
EPA 6010B ICP Metals										
19-03-0438-1										
Arsenic	ND	0.5179		mg/L	0.5000	104	80-140	190319SA6	19-03-0438-1	03/20/19 20:50
Barium	0.04599	0.5534		mg/L	0.5000	101	87-123	190319SA6	19-03-0438-1	03/20/19 20:50
Cadmium	ND	0.5183		mg/L	0.5000	104	82-124	190319SA6	19-03-0438-1	03/20/19 20:50
Chromium	ND	0.5215		mg/L	0.5000	104	86-122	190319SA6	19-03-0438-1	03/20/19 20:50
Lead	ND	0.5321		mg/L	0.5000	106	84-120	190319SA6	19-03-0438-1	03/20/19 20:50
Selenium	ND	0.5358		mg/L	0.5000	107	79-127	190319SA6	19-03-0438-1	03/20/19 20:50
Silver	ND	0.05166	HX	mg/L	0.2500	21	86-128	190319SA6	19-03-0438-1	03/20/19 20:50
EPA 7470A Mercury										
19-03-0817-1										
Mercury	ND	0.009522		mg/L	0.01000	95	80-120	190318SA4	19-03-0817-1	03/18/19 18:44
EPA 8260B Volatile Organics										
19-03-0438-1										
Benzene	ND	0.01056		mg/L	0.01000	106	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Toluene	ND	0.01053		mg/L	0.01000	105	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Ethylbenzene	ND	0.01065		mg/L	0.01000	107	75-125	190313S009	19-03-0438-1	03/13/19 15:25
o-Xylene	ND	0.01046		mg/L	0.01000	105	75-127	190313S009	19-03-0438-1	03/13/19 15:25
p/m-Xylene	ND	0.02126		mg/L	0.02000	106	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Methyl-t-Butyl Ether (MTBE)	ND	0.007674		mg/L	0.01000	77	71-131	190313S009	19-03-0438-1	03/13/19 15:25
Tert-Butyl Alcohol (TBA)	ND	0.06339		mg/L	0.05000	127	20-180	190313S009	19-03-0438-1	03/13/19 15:25
Diisopropyl Ether (DIPE)	ND	0.009905		mg/L	0.01000	99	64-136	190313S009	19-03-0438-1	03/13/19 15:25
Ethyl-t-Butyl Ether (ETBE)	ND	0.008341		mg/L	0.01000	83	73-133	190313S009	19-03-0438-1	03/13/19 15:25
Tert-Amyl-Methyl Ether (TAME)	ND	0.009593		mg/L	0.01000	96	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Ethanol	ND	0.1379		mg/L	0.1000	138	73-139	190313S009	19-03-0438-1	03/13/19 15:25
1,1-Dichloroethene	ND	0.01024		mg/L	0.01000	102	66-126	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dibromoethane	ND	0.009988		mg/L	0.01000	100	75-126	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dichlorobenzene	ND	0.01025		mg/L	0.01000	102	75-125	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dichloroethane	ND	0.009825		mg/L	0.01000	98	75-127	190313S009	19-03-0438-1	03/13/19 15:25
Carbon Tetrachloride	ND	0.008573		mg/L	0.01000	86	69-135	190313S009	19-03-0438-1	03/13/19 15:25
Chlorobenzene	ND	0.009979		mg/L	0.01000	100	75-125	190313S009	19-03-0438-1	03/13/19 15:25

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Matrix Spike

Analyte	Orig. Val.	MS Val.	Qual.	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analysis Date/Time
Trichloroethene	ND	0.01043		mg/L	0.01000	104	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Vinyl Chloride	ND	0.01188		mg/L	0.01000	119	52-142	190313S009	19-03-0438-1	03/13/19 15:25

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

QUALITY CONTROL
Matrix Spike Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 300.0 Anions												
19-03-0627-3												
Sulfate	205.8	257.2		mg/L	50.00	103	80-120	0	0-20	190309S01	19-03-0627-3	03/09/19 17:52
EPA 300.0 Anions												
19-03-0468-1												
Sulfate	3.492	54.00		mg/L	50.00	101	80-120	0	0-20	190308S01	19-03-0468-1	03/08/19 18:13
SM 4500-CL C Chloride												
19-03-0717-4												
Chloride	4.651	106.3		mg/L	100.0	102	80-120	0	0-25	J0312CLCS1	19-03-0717-4	03/12/19 18:34
EPA 6010B ICP Metals												
19-03-0438-1												
Arsenic	ND	0.5082		mg/L	0.5000	102	80-140	2	0-11	190319SA6	19-03-0438-1	03/20/19 20:52
Barium	0.04599	0.5548		mg/L	0.5000	102	87-123	0	0-6	190319SA6	19-03-0438-1	03/20/19 20:52
Cadmium	ND	0.5163		mg/L	0.5000	103	82-124	0	0-7	190319SA6	19-03-0438-1	03/20/19 20:52
Chromium	ND	0.5230		mg/L	0.5000	105	86-122	0	0-8	190319SA6	19-03-0438-1	03/20/19 20:52
Lead	ND	0.5310		mg/L	0.5000	106	84-120	0	0-7	190319SA6	19-03-0438-1	03/20/19 20:52
Selenium	ND	0.5236		mg/L	0.5000	105	79-127	2	0-9	190319SA6	19-03-0438-1	03/20/19 20:52
Silver	ND	0.05088	HX	mg/L	0.2500	20	86-128	2	0-7	190319SA6	19-03-0438-1	03/20/19 20:52
EPA 7470A Mercury												
19-03-0817-1												
Mercury	ND	0.009002		mg/L	0.01000	90	80-120	6	0-14	190318SA4	19-03-0817-1	03/18/19 18:46
EPA 8260B Volatile Organics												
19-03-0438-1												
Benzene	ND	0.01021		mg/L	0.01000	102	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Toluene	ND	0.01016		mg/L	0.01000	102	75-125	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethylbenzene	ND	0.01024		mg/L	0.01000	102	75-125	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
o-Xylene	ND	0.01017		mg/L	0.01000	102	75-127	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
p/m-Xylene	ND	0.02071		mg/L	0.02000	104	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Methyl-t-Butyl Ether (MTBE)	ND	0.007429		mg/L	0.01000	74	71-131	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Tert-Butyl Alcohol (TBA)	ND	0.06602		mg/L	0.05000	132	20-180	4	0-40	190313S009	19-03-0438-1	03/13/19 15:52
Diisopropyl Ether (DIPE)	ND	0.009671		mg/L	0.01000	97	64-136	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethyl-t-Butyl Ether (ETBE)	ND	0.008111		mg/L	0.01000	81	73-133	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Tert-Amyl-Methyl Ether (TAME)	ND	0.009331		mg/L	0.01000	93	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethanol	ND	0.1385		mg/L	0.1000	139	73-139	0	0-27	190313S009	19-03-0438-1	03/13/19 15:52
1,1-Dichloroethene	ND	0.009936		mg/L	0.01000	99	66-126	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dibromoethane	ND	0.009765		mg/L	0.01000	98	75-126	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dichlorobenzene	ND	0.009918		mg/L	0.01000	99	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dichloroethane	ND	0.009484		mg/L	0.01000	95	75-127	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Carbon Tetrachloride	ND	0.008680		mg/L	0.01000	87	69-135	1	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Chlorobenzene	ND	0.009742		mg/L	0.01000	97	75-125	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Matrix Spike Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
Trichloroethene	ND	0.01022		mg/L	0.01000	102	75-125	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Vinyl Chloride	ND	0.01184		mg/L	0.01000	118	52-142	0	0-20	190313S009	19-03-0438-1	03/13/19 15:52

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Post Digestion Spike

Analyte	Orig. Val.	PDS Val.	Qual.	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analysis Date/Time
EPA 6010B ICP Metals										
19-03-0438-1										
Arsenic	ND	0.5095		mg/L	0.5000	102	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Barium	0.04599	0.6058		mg/L	0.5000	112	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Cadmium	ND	0.5271		mg/L	0.5000	105	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Chromium	ND	0.5118		mg/L	0.5000	102	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Lead	ND	0.5399		mg/L	0.5000	108	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Selenium	ND	0.5521		mg/L	0.5000	110	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
Silver	ND	0.2567		mg/L	0.2500	103	75-125	190319SA6	19-03-0438-1	03/21/19 14:18
EPA 7470A Mercury										
19-03-0817-1										
Mercury	ND	0.009098		mg/L	0.01000	91	75-125	190318SA4	19-03-0817-1	03/18/19 18:53

Return to Contents

Qual: Qualifiers

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Post Digestion Spike Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 6010B ICP Metals												
19-03-0438-1												
Arsenic	ND	0.4948		mg/L	0.5000	99	75-125	3	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Barium	0.04599	0.6071		mg/L	0.5000	112	75-125	0	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Cadmium	ND	0.5322		mg/L	0.5000	106	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Chromium	ND	0.5146		mg/L	0.5000	103	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Lead	ND	0.5437		mg/L	0.5000	109	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Selenium	ND	0.5552		mg/L	0.5000	111	75-125	1	0-20	190319SA6	19-03-0438-1	03/21/19 14:20
Silver	ND	0.2556		mg/L	0.2500	102	75-125	0	0-20	190319SA6	19-03-0438-1	03/21/19 14:20

Return to Contents

Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

QUALITY CONTROL
Sample Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
SM 2320B Alkalinity									
19-03-0491-1									
Alkalinity, Total (as CaCO3)	241.2	247.7		mg/L	3	0-25	J0308ALKD1	19-03-0491-1	03/08/19 17:09
SM 2540 C Total Dissolved Solids									
19-03-0438-4									
Solids, Total Dissolved	645.0	595.0		mg/L	8	0-20	J0312TDSD1	19-03-0438-4	03/12/19 19:30

Return to Contents

RPD: Relative Percent Difference.

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
EPA 300.0 Anions								
099-12-906-9217								
Sulfate	50.00	48.65		mg/L	97	90-110	190309L01	03/09/19 13:40
EPA 300.0 Anions								
099-12-906-9216								
Sulfate	50.00	46.89		mg/L	94	90-110	190308L01	03/08/19 11:33
SM 2320B Alkalinity								
099-17-086-258								
Alkalinity, Total (as CaCO3)	100.0	106.0		mg/L	106	80-120	J0308ALKB1	03/08/19 17:09
SM 2540 C Total Dissolved Solids								
099-12-180-6745								
Solids, Total Dissolved	100.0	95.00		mg/L	95	80-120	J0312TDSL1	03/12/19 19:30
SM 4500-CL C Chloride								
099-05-057-2249								
Chloride	100.0	101.3		mg/L	101	80-120	J0312CLCL1	03/12/19 18:34
EPA 6010B ICP Metals								
097-01-003-17303								
Arsenic	0.5000	0.5052		mg/L	101	80-120	190319LA6	03/21/19 14:16
Barium	0.5000	0.5367		mg/L	107	80-120	190319LA6	03/21/19 14:16
Cadmium	0.5000	0.5281		mg/L	106	80-120	190319LA6	03/21/19 14:16
Chromium	0.5000	0.5326		mg/L	107	80-120	190319LA6	03/21/19 14:16
Lead	0.5000	0.5431		mg/L	109	80-120	190319LA6	03/21/19 14:16
Selenium	0.5000	0.4857		mg/L	97	80-120	190319LA6	03/21/19 14:16
Silver	0.2500	0.2492		mg/L	100	80-120	190319LA6	03/21/19 14:16
EPA 7470A Mercury								
099-12-457-389								
Mercury	0.01000	0.009010		mg/L	90	80-120	190318LA4M	03/18/19 18:39
EPA 8270C SIM PAHs								
099-06-008-1107								
Naphthalene	0.002000	0.001905		mg/L	95	21-133	190312L02	03/15/19 21:53
2-Methylnaphthalene	0.002000	0.002027		mg/L	101	21-140	190312L02	03/15/19 21:53
1-Methylnaphthalene	0.002000	0.001844		mg/L	92	20-140	190312L02	03/15/19 21:53
Acenaphthylene	0.002000	0.001930		mg/L	97	33-145	190312L02	03/15/19 21:53
Acenaphthene	0.002000	0.001759		mg/L	88	55-121	190312L02	03/15/19 21:53
Fluorene	0.002000	0.001927		mg/L	96	59-121	190312L02	03/15/19 21:53
Phenanthrene	0.002000	0.002020		mg/L	101	54-120	190312L02	03/15/19 21:53
Anthracene	0.002000	0.002040		mg/L	102	27-133	190312L02	03/15/19 21:53
Fluoranthene	0.002000	0.002009		mg/L	100	26-137	190312L02	03/15/19 21:53
Pyrene	0.002000	0.002029		mg/L	101	45-129	190312L02	03/15/19 21:53

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Work Order: 19-03-0438
Project Name: ExxonMobil Gladiola Station
Date Received: 03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
Benzo (a) Anthracene	0.002000	0.002109		mg/L	105	33-143	190312L02	03/15/19 21:53
Chrysene	0.002000	0.002009		mg/L	100	17-168	190312L02	03/15/19 21:53
Benzo (k) Fluoranthene	0.002000	0.001761		mg/L	88	24-159	190312L02	03/15/19 21:53
Benzo (b) Fluoranthene	0.002000	0.002203		mg/L	110	24-159	190312L02	03/15/19 21:53
Benzo (a) Pyrene	0.002000	0.002451		mg/L	123	17-163	190312L02	03/15/19 21:53
Indeno (1,2,3-c,d) Pyrene	0.002000	0.002129		mg/L	106	25-175	190312L02	03/15/19 21:53
Dibenz (a,h) Anthracene	0.002000	0.002193		mg/L	110	25-175	190312L02	03/15/19 21:53
Benzo (g,h,i) Perylene	0.002000	0.002167		mg/L	108	25-157	190312L02	03/15/19 21:53

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

EPA 8260B Volatile Organics
099-12-878-795

Benzene	0.01000	0.01078		mg/L	108	80-120	190313L016	03/13/19 10:16
Toluene	0.01000	0.01078		mg/L	108	80-120	190313L016	03/13/19 10:16
Ethylbenzene	0.01000	0.01102		mg/L	110	80-120	190313L016	03/13/19 10:16
o-Xylene	0.01000	0.01097		mg/L	110	80-120	190313L016	03/13/19 10:16
p/m-Xylene	0.02000	0.02228		mg/L	111	80-120	190313L016	03/13/19 10:16
Methyl-t-Butyl Ether (MTBE)	0.01000	0.007565		mg/L	76	75-123	190313L016	03/13/19 10:16
Tert-Butyl Alcohol (TBA)	0.05000	0.05596		mg/L	112	80-120	190313L016	03/13/19 10:16
Diisopropyl Ether (DIPE)	0.01000	0.01041		mg/L	104	73-121	190313L016	03/13/19 10:16
Ethyl-t-Butyl Ether (ETBE)	0.01000	0.008578		mg/L	86	76-124	190313L016	03/13/19 10:16
Tert-Amyl-Methyl Ether (TAME)	0.01000	0.009795		mg/L	98	80-120	190313L016	03/13/19 10:16
Ethanol	0.1000	0.1375	LQ,RU	mg/L	137	73-133	190313L016	03/13/19 10:16
1,1-Dichloroethene	0.01000	0.01017		mg/L	102	77-120	190313L016	03/13/19 10:16
1,2-Dibromoethane	0.01000	0.01029		mg/L	103	80-120	190313L016	03/13/19 10:16
1,2-Dichlorobenzene	0.01000	0.01046		mg/L	105	80-120	190313L016	03/13/19 10:16
1,2-Dichloroethane	0.01000	0.009904		mg/L	99	80-122	190313L016	03/13/19 10:16
Carbon Tetrachloride	0.01000	0.009106		mg/L	91	80-129	190313L016	03/13/19 10:16
Chlorobenzene	0.01000	0.01054		mg/L	105	80-120	190313L016	03/13/19 10:16
Trichloroethene	0.01000	0.01082		mg/L	108	80-120	190313L016	03/13/19 10:16
Vinyl Chloride	0.01000	0.01104		mg/L	110	63-135	190313L016	03/13/19 10:16

Total number of LCS compounds: 19
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
SM 2320B Alkalinity											
099-17-086-258											
Alkalinity, Total (as CaCO3)	100.0	100.6		mg/L	101	80-120	5	0-20	J0308ALKB1	099-17-086-258	03/08/19 17:09
SM 2540 C Total Dissolved Solids											
099-12-180-6745											
Solids, Total Dissolved	100.0	100.0		mg/L	100	80-120	5	0-20	J0312TDSL1	099-12-180-6745	03/12/19 19:30
SM 4500-CL C Chloride											
099-05-057-2249											
Chloride	100.0	100.8		mg/L	101	80-120	0	0-20	J0312CLCL1	099-05-057-2249	03/12/19 18:34
EPA 8270C SIM PAHs											
099-06-008-1107											
Naphthalene	0.002000	0.001936		mg/L	97	21-133	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
2-Methylnaphthalene	0.002000	0.002043		mg/L	102	21-140	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
1-Methylnaphthalene	0.002000	0.001856		mg/L	93	20-140	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Acenaphthylene	0.002000	0.001932		mg/L	97	33-145	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Acenaphthene	0.002000	0.001763		mg/L	88	55-121	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Fluorene	0.002000	0.001889		mg/L	94	59-121	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Phenanthrene	0.002000	0.002033		mg/L	102	54-120	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Anthracene	0.002000	0.002039		mg/L	102	27-133	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Fluoranthene	0.002000	0.001997		mg/L	100	26-137	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Pyrene	0.002000	0.002069		mg/L	103	45-129	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (a) Anthracene	0.002000	0.002111		mg/L	106	33-143	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Chrysene	0.002000	0.002021		mg/L	101	17-168	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (k) Fluoranthene	0.002000	0.001809		mg/L	90	24-159	3	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (b) Fluoranthene	0.002000	0.002225		mg/L	111	24-159	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (a) Pyrene	0.002000	0.002481		mg/L	124	17-163	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Indeno (1,2,3-c,d) Pyrene	0.002000	0.002217		mg/L	111	25-175	4	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Dibenz (a,h) Anthracene	0.002000	0.002262		mg/L	113	25-175	3	0-25	190312L02	099-06-008-1107	03/15/19 22:12

Qual - Qualifiers RPD: Relative Percent Difference

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0438
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/07/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
Benzo (g,h,i) Perylene	0.002000	0.002244		mg/L	112	25-157	4	0-25	190312L02	099-06-008-1107	03/15/19 22:12

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

Qual - Qualifiers RPD: Relative Percent Difference

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Work Order: 19-03-0438 Page 1 of 1

Sample Analysis Summary Report

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	27	IC 15	1
EPA 300.0	N/A	1157	IC 15	1
EPA 6010B	EPA 3010A Total	1080	ICP 8300	1
EPA 7470A	EPA 7470A Total	868	Mercury 08	1
EPA 8260B	EPA 5030C	316	GC/MS L	2
EPA 8270C SIM PAHs	EPA 3510C	923	GC/MS AAA	1
SM 2320B	N/A	1168	PCT 1	1
SM 2540 C	N/A	1183	N/A	1
SM 4500-Cl C	N/A	1168	BUR02	1

Return to Contents

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The difference is service

Work Order: 19-03-0438 Page 1 of 1

Glossary of Terms and Qualifiers

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.

Return to Contents

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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station

CHAIN OF CUSTODY RECORD

DATE: 3-6-19

PAGE: 1 OF 11

ExxonMobil Engr: Marla Madden

LABORATORY CLIENT: Cardno

ADDRESS: 25371 Comemrcentre Drive. Suite 250

CITY: Lake Forest, CA 92630

TEL: 949-457-8941 FAX: 949-457-8956 dave.purdy@cardno.com

GLOBAL ID #/ COELT LOG CODE:

PROJECT CONTACT: David Purdy

SAMPLER(S): Clint Colyer Jr., Vinat Nguyen

EMES Sub Agreement #A2604415

LAB USE ONLY: 19-03-0438

COOLER RECEIPT Temp = _____ °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only (TC# 6401)	EPA 8270C SIM PAHs (TC# 4741)	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag only (TC# 2516)	EPA 7470A Mercury (TC# 5096)	EPA 300.0 Sulfate (TC# 5431)	SM 2320B Alkalinity (TC# 6512) and SM 4500-Cl C Chloride (TC# 755)	SM 2540C Total Dissolved Solids (TC# 4942)	CONTAINER TYPE
1	W-39-B1/MW27	B1/MW27	3-6-19	11:45	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
2	W-42-MW22	MW22	3-6-19	14:03	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
3	W-41-MW17	MW17	3-6-19	11:05	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
4	W-46-B6/MW32	B6/MW32	3-6-19	1430	W	~~12~~ 11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
~~6~~					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
~~7~~					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
~~8~~					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
5	Trip Blanks	QCTB	—	—	W	3	*	—	—	—	—	—	—	

Relinquished by: (Signature)

Relinquished by: (Signature) (Fedex)

Relinquished by: (Signature)

COC\Gladiola Station-NM Site COC-13 samples

Received by: (Signature) FedEx

Received by: (Signature) EC

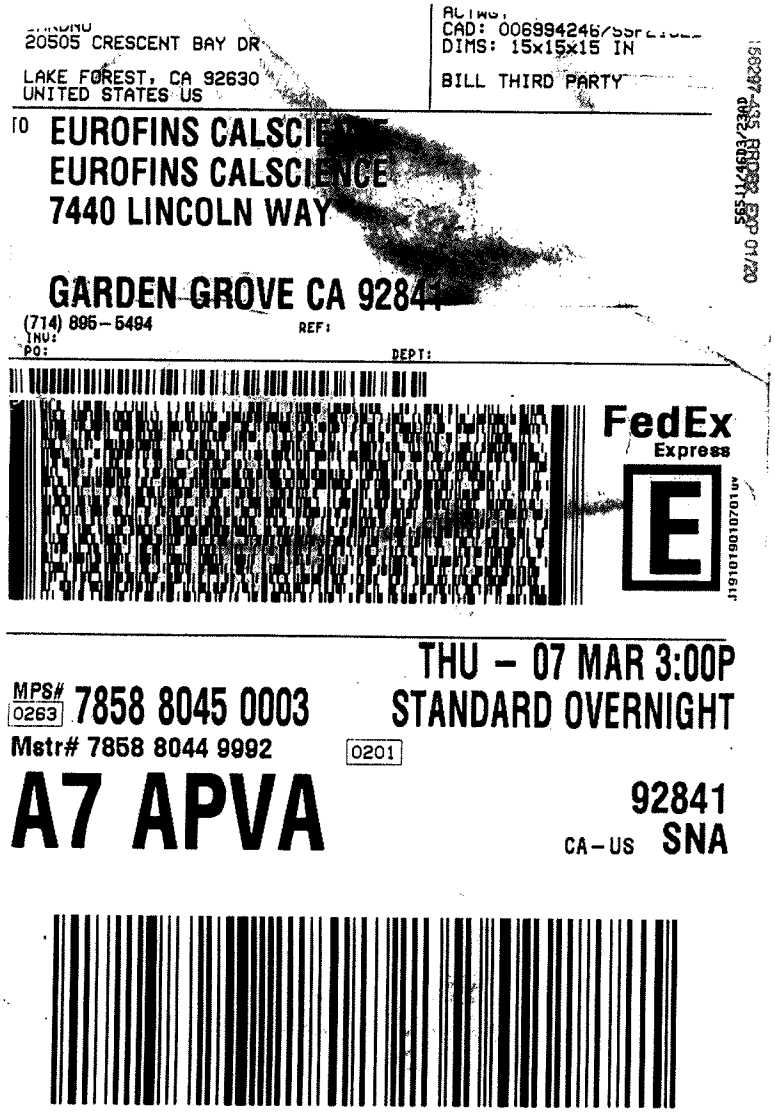
Received by: (Signature)

Date, & Time: 3/6/19 ; 1700

Date, & Time: 3/7/19 10:15

Date, & Time:

0438


20505 CRESCENT BAY DR
LAKE FOREST, CA 92630
UNITED STATES US
CAD: 006994246/SSF2102
DIMS: 15x15x15 IN
BILL THIRD PARTY
TO EUROFINS CALSCIENCE
EUROFINS CALSCIENCE
7440 LINCOLN WAY
GARDEN GROVE CA 92841
(714) 895-5494
REF:
INV:
PO:
DEPT:
FedEx
Express
THU - 07 MAR 3:00P
STANDARD OVERNIGHT
MPS# 0263 7858 8045 0003
Mstr# 7858 8044 9992
0201
A7 APVA
92841
CA-US SNA

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WORK ORDER NUMBER: 19-03-0438

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: Cardno

DATE: 03/07/2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.9 °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: BB

CUSTODY SEAL:

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

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

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: (5) (Trip Blank Lot Number: 190219C)

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 ☐ 500AGJ**s** (pH__2) ☐ 500PB

☑ 1AGB (2) ☐ 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: BB

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

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WORK ORDER NUMBER: 19-03- 0438

SAMPLE ANOMALY REPORT

DATE: 03/ 7 / 2019

SAMPLES, CONTAINERS, AND LABELS:

Comments

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☑ Sample container(s) compromised (comment) — (-2) 1 of 5-vials/hcl received broken.
  - ☑ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: _____

Reported by: _____

Reviewed by: _____

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

Return to Contents

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WORK ORDER NUMBER: 19-03-0717

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AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For
Client: Cardno
Client Project Name: ExxonMobil Gladiola Station
Attention: David Purdy
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Approved for release on 03/25/2019 by:
Cecile deGuia
Project Manager

ResultLink ▸

Email your PM ▸

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Contents

Client Project Name: ExxonMobil Gladiola Station
Work Order Number: 19-03-0717

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The difference is service

Work Order: 19-03-0717 Page 1 of 1

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 03/09/19. They were assigned to Work Order 19-03-0717.

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.

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	PO Number:	Gladiola Station
		Date/Time Received:	03/09/19 11:10
		Number of Containers:	48
Attn:	David Purdy		

Sample Summary

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-40-BS/MW31	19-03-0717-1	03/07/19 11:39	12	Aqueous
W-41-MW11	19-03-0717-2	03/07/19 09:50	11	Aqueous
W-41-MW10	19-03-0717-3	03/07/19 08:40	11	Aqueous
W-39-MW6	19-03-0717-4	03/07/19 10:50	11	Aqueous
Trip Blanks	19-03-0717-5	03/07/19 00:00	3	Aqueous

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 1 (W-40-BS/MW31, Aqueous) Sampled: 03/07/19 11:39									
EPA 300.0 Anions (Extraction Method: N/A) Container - K - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	96		mg/L	0.49	1.0	1.00	03/11/19 18:24	EPA 300.0	190311L01
SM 2320B Alkalinity (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	400		mg/L	1.7	5.0	1.00	03/13/19 17:04	SM 2320B	J0313ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	745		mg/L	0.870	1.00	1.00	03/13/19 14:00	SM 2540 C	J0313TDSB1
SM 4500-CL C Chloride (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	65		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - L - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/22/19 16:17	EPA 6010B	190321LA3
Barium	0.207		mg/L	0.00308	0.0100	1.00	03/22/19 16:17	EPA 6010B	190321LA3
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/22/19 16:17	EPA 6010B	190321LA3
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/22/19 16:17	EPA 6010B	190321LA3
Lead	0.0100	J	mg/L	0.00821	0.0500	1.00	03/22/19 16:17	EPA 6010B	190321LA3
Selenium	ND		mg/L	0.0244	0.100	1.00	03/22/19 16:17	EPA 6010B	190321LA3
Silver	ND		mg/L	0.00298	0.0100	1.00	03/22/19 16:17	EPA 6010B	190321LA3
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - L - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	0.000256		mg/L	0.0000453	0.000200	1.00	03/22/19 13:34	EPA 7470A	190322LA1M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - g - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	0.00017	J	mg/L	0.000073	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	0.00018	J	mg/L	0.000075	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	0.00052		mg/L	0.000074	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		mg/L	0.000060	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Fluorene	0.00048		mg/L	0.000073	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Phenanthrene	0.000075	J	mg/L	0.000067	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000068	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Fluoranthene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000071	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000066	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000080	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000085	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000082	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000095	0.00020	1.00	03/16/19 01:08	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*80%*						*03/16/19 01:08*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*80%*						*03/16/19 01:08*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*85%*						*03/16/19 01:08*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.00044	J	mg/L	0.000072	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Ethylbenzene	0.00065		mg/L	0.000087	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
o-Xylene	0.00012	J	mg/L	0.000086	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
p/m-Xylene	0.0018		mg/L	0.00015	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Xylenes (total)	0.0019	JA	mg/L	0.000086	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2,4-Trimethylbenzene	0.0057		mg/L	0.000068	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	0.0038		mg/L	0.000079	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Acetone	ND		mg/L	0.0040	0.010	1.00	03/13/19 19:57	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 19:57	EPA 8260B	190313L016
Isopropylbenzene	0.0012		mg/L	0.000076	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 19:57	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 19:57	EPA 8260B	190313L016
Naphthalene	0.00020	J	mg/L	0.000097	0.010	1.00	03/13/19 19:57	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
n-Propylbenzene	0.00081		mg/L	0.000076	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
p-Isopropyltoluene	0.00067		mg/L	0.000074	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
sec-Butylbenzene	0.0019		mg/L	0.000095	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
tert-Butylbenzene	0.00045	J	mg/L	0.000082	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 19:57	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*99%*						*03/13/19 19:57*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*90%*						*03/13/19 19:57*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*91%*						*03/13/19 19:57*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*100%*						*03/13/19 19:57*	*EPA 8260B*	*190313L016*
Sample ID: 2 (W-41-MW11, Aqueous) Sampled: 03/07/19 09:50									
EPA 300.0 Anions (Extraction Method: N/A) Container - K - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Sulfate	100		mg/L	0.98	2.0	2.00	03/14/19 01:34	EPA 300.0	190313L02
SM 2320B Alkalinity (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	420		mg/L	1.7	5.0	1.00	03/13/19 17:04	SM 2320B	J0313ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	960		mg/L	0.870	1.00	1.00	03/13/19 14:00	SM 2540 C	J0313TDSB1
SM 4500-CL C Chloride (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	190		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/22/19 16:18	EPA 6010B	190321LA3
Barium	0.0425		mg/L	0.00308	0.0100	1.00	03/22/19 16:18	EPA 6010B	190321LA3
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/22/19 16:18	EPA 6010B	190321LA3
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/22/19 16:18	EPA 6010B	190321LA3
Lead	ND		mg/L	0.00821	0.0500	1.00	03/22/19 16:18	EPA 6010B	190321LA3
Selenium	ND		mg/L	0.0244	0.100	1.00	03/22/19 16:18	EPA 6010B	190321LA3
Silver	ND		mg/L	0.00298	0.0100	1.00	03/22/19 16:18	EPA 6010B	190321LA3
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	0.000240		mg/L	0.0000453	0.000200	1.00	03/22/19 13:56	EPA 7470A	190322LA1M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - g - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		mg/L	0.000073	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
2-Methylnaphthalene	ND		mg/L	0.000075	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		mg/L	0.000060	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		mg/L	0.000073	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		mg/L	0.000067	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000068	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000071	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000066	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000080	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000085	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000082	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000095	0.00020	1.00	03/16/19 01:27	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*86%*						*03/16/19 01:27*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*87%*						*03/16/19 01:27*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*93%*						*03/16/19 01:27*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		mg/L	0.000072	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
p/m-Xylene	ND		mg/L	0.00015	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Xylenes (total)	ND		mg/L	0.000086	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	ND		mg/L	0.000068	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	ND		mg/L	0.000079	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Acetone	ND		mg/L	0.0040	0.010	1.00	03/13/19 20:25	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 20:25	EPA 8260B	190313L016
Isopropylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 20:25	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 20:25	EPA 8260B	190313L016
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/13/19 20:25	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
n-Propylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
p-Isopropyltoluene	ND		mg/L	0.000074	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
sec-Butylbenzene	ND		mg/L	0.000095	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
tert-Butylbenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 20:25	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*98%*						*03/13/19 20:25*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*87%*						*03/13/19 20:25*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*						*03/13/19 20:25*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*100%*						*03/13/19 20:25*	*EPA 8260B*	*190313L016*

Sample ID: 3 (W-41-MW10, Aqueous) Sampled: 03/07/19 08:40

EPA 300.0 Anions (Extraction Method: N/A) Container - K
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Sulfate	56		mg/L	0.49	1.0	1.00	03/11/19 19:05	EPA 300.0	190311L01

SM 2320B Alkalinity (Extraction Method: N/A) Container - J
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Alkalinity, Total (as CaCO3)	580		mg/L	1.7	5.0	1.00	03/13/19 17:04	SM 2320B	J0313ALKB1

SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - H
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Solids, Total Dissolved	955		mg/L	0.870	1.00	1.00	03/13/19 14:00	SM 2540 C	J0313TDSB1

SM 4500-CL C Chloride (Extraction Method: N/A) Container - J
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Chloride	130		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1

EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - I
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Arsenic	ND		mg/L	0.0181	0.100	1.00	03/22/19 16:20	EPA 6010B	190321LA3
Barium	0.114		mg/L	0.00308	0.0100	1.00	03/22/19 16:20	EPA 6010B	190321LA3
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/22/19 16:20	EPA 6010B	190321LA3

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/22/19 16:20	EPA 6010B	190321LA3
Lead	0.0128	J	mg/L	0.00821	0.0500	1.00	03/22/19 16:20	EPA 6010B	190321LA3
Selenium	ND		mg/L	0.0244	0.100	1.00	03/22/19 16:20	EPA 6010B	190321LA3
Silver	ND		mg/L	0.00298	0.0100	1.00	03/22/19 16:20	EPA 6010B	190321LA3
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	0.000765		mg/L	0.0000453	0.000200	1.00	03/22/19 13:58	EPA 7470A	190322LA1M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - g - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		mg/L	0.000073	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		mg/L	0.000075	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		mg/L	0.000060	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Fluorene	0.00022		mg/L	0.000073	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		mg/L	0.000067	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000068	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000071	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Chrysene	ND		mg/L	0.000066	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000080	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000085	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000082	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000095	0.00020	1.00	03/16/19 01:47	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*79%*						*03/16/19 01:47*	*EPA 8270C SIM PAHs*	*190312L02*

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Surr: 2-Fluorobiphenyl (33-144%)	*81%*						*03/16/19 01:47*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*80%*						*03/16/19 01:47*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.00073		mg/L	0.000072	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
p/m-Xylene	ND		mg/L	0.00015	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Xylenes (total)	ND		mg/L	0.000086	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	0.00038	J	mg/L	0.000068	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	0.00018	J	mg/L	0.000079	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 20:52	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Acetone	0.0041	J	mg/L	0.0040	0.010	1.00	03/13/19 20:52	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 20:52	EPA 8260B	190313L016
Isopropylbenzene	0.00043	J	mg/L	0.000076	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 20:52	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 20:52	EPA 8260B	190313L016
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/13/19 20:52	EPA 8260B	190313L016
n-Butylbenzene	0.00015	J	mg/L	0.00011	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
n-Propylbenzene	0.00010	J	mg/L	0.000076	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
p-Isopropyltoluene	0.00013	J	mg/L	0.000074	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
sec-Butylbenzene	0.0012		mg/L	0.000095	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
tert-Butylbenzene	0.00025	J	mg/L	0.000082	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 20:52	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*96%*						*03/13/19 20:52*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*85%*						*03/13/19 20:52*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*91%*						*03/13/19 20:52*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*100%*						*03/13/19 20:52*	*EPA 8260B*	*190313L016*

Sample ID: 4 (W-39-MW6, Aqueous) Sampled: 03/07/19 10:50

EPA 300.0 Anions (Extraction Method: N/A) Container - K
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Sulfate	20		mg/L	0.49	1.0	1.00	03/11/19 19:25	EPA 300.0	190311L01

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
SM 2320B Alkalinity (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Alkalinity, Total (as CaCO3)	430		mg/L	1.7	5.0	1.00	03/13/19 17:04	SM 2320B	J0313ALKB1
SM 2540 C Total Dissolved Solids (Extraction Method: N/A) Container - H - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Solids, Total Dissolved	505		mg/L	0.870	1.00	1.00	03/13/19 14:00	SM 2540 C	J0313TDSB1
SM 4500-CL C Chloride (Extraction Method: N/A) Container - J - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Chloride	4.7		mg/L	0.59	2.0	1.00	03/12/19 18:34	SM 4500-Cl C	J0312CLCL1
EPA 6010B ICP Metals (Extraction Method: EPA 3010A Total) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Arsenic	ND		mg/L	0.0181	0.100	1.00	03/22/19 16:21	EPA 6010B	190321LA3
Barium	0.244		mg/L	0.00308	0.0100	1.00	03/22/19 16:21	EPA 6010B	190321LA3
Cadmium	ND		mg/L	0.00210	0.0100	1.00	03/22/19 16:21	EPA 6010B	190321LA3
Chromium	ND		mg/L	0.00688	0.0500	1.00	03/22/19 16:21	EPA 6010B	190321LA3
Lead	0.0138	J	mg/L	0.00821	0.0500	1.00	03/22/19 16:21	EPA 6010B	190321LA3
Selenium	ND		mg/L	0.0244	0.100	1.00	03/22/19 16:21	EPA 6010B	190321LA3
Silver	ND		mg/L	0.00298	0.0100	1.00	03/22/19 16:21	EPA 6010B	190321LA3
EPA 7470A Mercury (Extraction Method: EPA 7470A Total) Container - I - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Mercury	0.00139		mg/L	0.0000453	0.000200	1.00	03/22/19 14:18	EPA 7470A	190322LA1M
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) Container - g - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Naphthalene	ND		mg/L	0.000073	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
2-Methylnaphthalene	ND		mg/L	0.000075	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
1-Methylnaphthalene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Acenaphthylene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Acenaphthene	ND		mg/L	0.000060	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Fluorene	ND		mg/L	0.000073	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Phenanthrene	ND		mg/L	0.000067	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Anthracene	ND		mg/L	0.000068	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Fluoranthene	ND		mg/L	0.000074	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Pyrene	ND		mg/L	0.000071	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Benzo (a) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Chrysene	ND		mg/L	0.000066	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Benzo (k) Fluoranthene	ND		mg/L	0.000080	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Benzo (b) Fluoranthene	ND		mg/L	0.000085	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Benzo (a) Pyrene	ND		mg/L	0.00010	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000082	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000077	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000095	0.00020	1.00	03/16/19 02:06	EPA 8270C SIM PAHs	190312L02
Surr: Nitrobenzene-d5 (28-139%)	*96%*						*03/16/19 02:06*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: 2-Fluorobiphenyl (33-144%)	*95%*						*03/16/19 02:06*	*EPA 8270C SIM PAHs*	*190312L02*
Surr: p-Terphenyl-d14 (23-160%)	*102%*						*03/16/19 02:06*	*EPA 8270C SIM PAHs*	*190312L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	ND		mg/L	0.000072	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
p/m-Xylene	ND		mg/L	0.00015	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Xylenes (total)	ND		mg/L	0.000086	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.000067	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1-Dichloroethane	ND		mg/L	0.000060	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2,4-Trimethylbenzene	0.000080	J	mg/L	0.000068	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,3,5-Trimethylbenzene	0.00033	J	mg/L	0.000079	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Acetone	ND		mg/L	0.0040	0.010	1.00	03/13/19 21:19	EPA 8260B	190313L016
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
Bromoform	ND		mg/L	0.000096	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Dibromochloromethane	ND		mg/L	0.000064	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Chloroform	ND		mg/L	0.000062	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Bromodichloromethane	ND		mg/L	0.000053	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/13/19 21:19	EPA 8260B	190313L016
Isopropylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/13/19 21:19	EPA 8260B	190313L016
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/13/19 21:19	EPA 8260B	190313L016
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/13/19 21:19	EPA 8260B	190313L016
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
n-Propylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
p-Isopropyltoluene	ND		mg/L	0.000074	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
sec-Butylbenzene	0.00038	J	mg/L	0.000095	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
tert-Butylbenzene	0.000087	J	mg/L	0.000082	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/13/19 21:19	EPA 8260B	190313L016
Surr: 1,4-Bromofluorobenzene (68-120%)	*97%*						*03/13/19 21:19*	*EPA 8260B*	*190313L016*
Surr: Dibromofluoromethane (80-127%)	*86%*						*03/13/19 21:19*	*EPA 8260B*	*190313L016*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*						*03/13/19 21:19*	*EPA 8260B*	*190313L016*
Surr: Toluene-d8 (80-120%)	*101%*						*03/13/19 21:19*	*EPA 8260B*	*190313L016*

Sample ID: 5 (Trip Blanks, Aqueous) Sampled: 03/07/19 00:00

EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - A
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.

Benzene	ND		mg/L	0.000072	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Toluene	ND		mg/L	0.000093	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Ethylbenzene	ND		mg/L	0.000087	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
o-Xylene	ND		mg/L	0.000086	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
p/m-Xylene	ND		mg/L	0.00015	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Xylenes (total)	ND		mg/L	0.000086	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Methyl-t-Butyl Ether (MTBE)	0.00015	J	mg/L	0.000067	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1,1,2-Tetrachloroethane	ND		mg/L	0.000070	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1,1-Trichloroethane	ND		mg/L	0.000084	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1,2,2-Tetrachloroethane	ND		mg/L	0.000087	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1,2-Trichloroethane	ND		mg/L	0.000069	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00013	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1-Dichloroethane	0.00012	J	mg/L	0.000060	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1-Dichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,1-Dichloropropene	ND		mg/L	0.000070	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2,3-Trichlorobenzene	ND		mg/L	0.00012	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2,3-Trichloropropane	ND		mg/L	0.000076	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2,4-Trichlorobenzene	ND		mg/L	0.000089	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2,4-Trimethylbenzene	ND		mg/L	0.000068	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,3,5-Trimethylbenzene	ND		mg/L	0.000079	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
c-1,2-Dichloroethene	ND		mg/L	0.00011	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.00051	0.0050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2-Dibromoethane	ND		mg/L	0.000059	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2-Dichlorobenzene	ND		mg/L	0.000082	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2-Dichloroethane	ND		mg/L	0.000074	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,2-Dichloropropane	ND		mg/L	0.000098	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
t-1,2-Dichloroethene	ND		mg/L	0.000082	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
c-1,3-Dichloropropene	ND		mg/L	0.000096	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,3-Dichlorobenzene	ND		mg/L	0.000098	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
1,3-Dichloropropane	ND		mg/L	0.000082	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
t-1,3-Dichloropropene	ND		mg/L	0.000053	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,4-Dichlorobenzene	ND		mg/L	0.000073	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
2,2-Dichloropropane	ND		mg/L	0.00038	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
2-Chlorotoluene	ND		mg/L	0.000058	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
4-Chlorotoluene	ND		mg/L	0.000091	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
4-Methyl-2-Pentanone	ND		mg/L	0.00042	0.0050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Acetone	0.0055	J	mg/L	0.0040	0.010	1.00	03/15/19 00:29	EPA 8260B	190314L066
Bromobenzene	ND		mg/L	0.000061	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Bromochloromethane	ND		mg/L	0.000082	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
Bromoform	0.012		mg/L	0.000096	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Bromomethane	ND		mg/L	0.00099	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
Carbon Disulfide	ND		mg/L	0.00039	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
Carbon Tetrachloride	ND		mg/L	0.000057	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Chlorobenzene	ND		mg/L	0.000088	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Dibromochloromethane	0.0059		mg/L	0.000064	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Chloroethane	ND		mg/L	0.00012	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Chloroform	0.00023	J	mg/L	0.000062	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Chloromethane	ND		mg/L	0.0020	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Dibromomethane	ND		mg/L	0.00013	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Bromodichloromethane	0.0014		mg/L	0.000053	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Dichlorodifluoromethane	ND		mg/L	0.000099	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
Hexachloro-1,3-Butadiene	ND		mg/L	0.00059	0.0020	1.00	03/15/19 00:29	EPA 8260B	190314L066
Isopropylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
2-Butanone	ND		mg/L	0.00046	0.0050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Methylene Chloride	ND		mg/L	0.000042	0.0010	1.00	03/15/19 00:29	EPA 8260B	190314L066
2-Hexanone	ND		mg/L	0.00050	0.010	1.00	03/15/19 00:29	EPA 8260B	190314L066
Naphthalene	ND		mg/L	0.000097	0.010	1.00	03/15/19 00:29	EPA 8260B	190314L066
n-Butylbenzene	ND		mg/L	0.00011	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
n-Propylbenzene	ND		mg/L	0.000076	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
p-Isopropyltoluene	ND		mg/L	0.000074	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
sec-Butylbenzene	ND		mg/L	0.000095	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Styrene	ND		mg/L	0.000059	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
tert-Butylbenzene	ND		mg/L	0.000082	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Tetrachloroethene	ND		mg/L	0.00024	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Trichloroethene	ND		mg/L	0.00010	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Trichlorofluoromethane	ND		mg/L	0.00010	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Vinyl Chloride	ND		mg/L	0.000078	0.00050	1.00	03/15/19 00:29	EPA 8260B	190314L066
Surr: 1,4-Bromofluorobenzene (68-120%)	*97%*						*03/15/19 00:29*	*EPA 8260B*	*190314L066*
Surr: Dibromofluoromethane (80-127%)	*100%*						*03/15/19 00:29*	*EPA 8260B*	*190314L066*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*99%*						*03/15/19 00:29*	*EPA 8260B*	*190314L066*
Surr: Toluene-d8 (80-120%)	*85%*						*03/15/19 00:29*	*EPA 8260B*	*190314L066*

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
EPA 300.0 Anions						
099-12-906-9229						
Sulfate	ND		mg/L	190311L01	099-12-906-9229	03/11/19 12:46
EPA 300.0 Anions						
099-12-906-9236						
Sulfate	ND		mg/L	190313L02	099-12-906-9236	03/13/19 23:32
SM 2320B Alkalinity						
099-17-086-265						
Alkalinity, Total (as CaCO3)	ND		mg/L	J0313ALKB1	099-17-086-265	03/13/19 17:04
SM 2540 C Total Dissolved Solids						
099-12-180-6750						
Solids, Total Dissolved	ND		mg/L	J0313TDSB1	099-12-180-6750	03/13/19 14:00
SM 4500-CL C Chloride						
099-05-057-2249						
Chloride	ND		mg/L	J0312CLCL1	099-05-057-2249	03/12/19 18:34
EPA 6010B ICP Metals						
097-01-003-17305						
Arsenic	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
Barium	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
Cadmium	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
Chromium	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
Lead	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
Selenium	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
Silver	ND		mg/L	190321LA3	097-01-003-17305	03/22/19 11:32
EPA 7470A Mercury						
099-12-457-391						
Mercury	ND		mg/L	190322LA1M	099-12-457-391	03/22/19 18:43
EPA 8270C SIM PAHs						
099-06-008-1107						
Naphthalene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
2-Methylnaphthalene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
1-Methylnaphthalene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Acenaphthylene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Acenaphthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Fluorene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Phenanthrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Anthracene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Fluoranthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
Pyrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (a) Anthracene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Chrysene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (k) Fluoranthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (b) Fluoranthene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (a) Pyrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Dibenz (a,h) Anthracene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Benzo (g,h,i) Perylene	ND		mg/L	190312L02	099-06-008-1107	03/15/19 21:33
Surr: Nitrobenzene-d5 (28-139%)	*93%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
Surr: 2-Fluorobiphenyl (33-144%)	*94%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
Surr: p-Terphenyl-d14 (23-160%)	*104%*			*190312L02*	*099-06-008-1107*	*03/15/19 21:33*
EPA 8260B Volatile Organics						
099-12-878-795						
Benzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Toluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Ethylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
o-Xylene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
p/m-Xylene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Xylenes (total)	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,1,2-Tetrachloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,1-Trichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2,2-Tetrachloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2-Trichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,1-Dichloropropene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,3-Trichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,3-Trichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,4-Trichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2,4-Trimethylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,3,5-Trimethylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
c-1,2-Dichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dibromo-3-Chloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dibromoethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,2-Dichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
t-1,2-Dichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
c-1,3-Dichloropropene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,3-Dichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,3-Dichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
t-1,3-Dichloropropene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
1,4-Dichlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2,2-Dichloropropane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2-Chlorotoluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
4-Chlorotoluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
4-Methyl-2-Pentanone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Acetone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromochloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromoform	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromomethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Carbon Disulfide	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Carbon Tetrachloride	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chlorobenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Dibromochloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chloroethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chloroform	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Chloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Dibromomethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Bromodichloromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Dichlorodifluoromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Hexachloro-1,3-Butadiene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Isopropylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2-Butanone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Methylene Chloride	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
2-Hexanone	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Naphthalene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
n-Butylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
n-Propylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
p-Isopropyltoluene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
sec-Butylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Styrene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
tert-Butylbenzene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Tetrachloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Trichloroethene	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Trichlorofluoromethane	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26
Vinyl Chloride	ND		mg/L	190313L016	099-12-878-795	03/13/19 12:26

Return to Contents

eurofins | Calscience

The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19
Attn:	David Purdy		

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
Surr: 1,4-Bromofluorobenzene (68-120%)	*97%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: Dibromofluoromethane (80-127%)	*89%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*90%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
Surr: Toluene-d8 (80-120%)	*100%*			*190313L016*	*099-12-878-795*	*03/13/19 12:26*
EPA 8260B Volatile Organics						
099-12-878-796						
Benzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Toluene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Ethylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
o-Xylene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
p/m-Xylene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Xylenes (total)	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1,1,2-Tetrachloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1,1-Trichloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1,2,2-Tetrachloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1,2-Trichloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1-Dichloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1-Dichloroethene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,1-Dichloropropene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2,3-Trichlorobenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2,3-Trichloropropane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2,4-Trichlorobenzene	0.000097	J	mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2,4-Trimethylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,3,5-Trimethylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
c-1,2-Dichloroethene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2-Dibromo-3-Chloropropane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2-Dibromoethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2-Dichlorobenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2-Dichloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,2-Dichloropropane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
t-1,2-Dichloroethene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
c-1,3-Dichloropropene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,3-Dichlorobenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,3-Dichloropropane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
t-1,3-Dichloropropene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
1,4-Dichlorobenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
2,2-Dichloropropane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
2-Chlorotoluene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34

Return to Contents

eurofins | Calscience

The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Attn: David Purdy

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
4-Chlorotoluene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
4-Methyl-2-Pentanone	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Acetone	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Bromobenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Bromochloromethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Bromoform	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Bromomethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Carbon Disulfide	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Carbon Tetrachloride	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Chlorobenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Dibromochloromethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Chloroethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Chloroform	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Chloromethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Dibromomethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Bromodichloromethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Dichlorodifluoromethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Hexachloro-1,3-Butadiene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Isopropylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
2-Butanone	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Methylene Chloride	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
2-Hexanone	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Naphthalene	0.00013	J	mg/L	190314L066	099-12-878-796	03/14/19 18:34
n-Butylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
n-Propylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
p-Isopropyltoluene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
sec-Butylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Styrene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
tert-Butylbenzene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Tetrachloroethene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Trichloroethene	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Trichlorofluoromethane	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Vinyl Chloride	ND		mg/L	190314L066	099-12-878-796	03/14/19 18:34
Surr: 1,4-Bromofluorobenzene (68-120%)	*98%*			*190314L066*	*099-12-878-796*	*03/14/19 18:34*
Surr: Dibromofluoromethane (80-127%)	*95%*			*190314L066*	*099-12-878-796*	*03/14/19 18:34*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*100%*			*190314L066*	*099-12-878-796*	*03/14/19 18:34*
Surr: Toluene-d8 (80-120%)	*100%*			*190314L066*	*099-12-878-796*	*03/14/19 18:34*

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19

QUALITY CONTROL
Matrix Spike

Analyte	Orig. Val.	MS Val.	Qual.	Units	Spike Conc.	% Rec.	Target Range	Batch	Sample Spiked	Analysis Date/Time
EPA 300.0 Anions										
19-03-0717-4										
Sulfate	19.69	74.00		mg/L	50.00	109	80-120	190311S01	19-03-0717-4	03/11/19 19:45
SM 4500-CL C Chloride										
19-03-0717-4										
Chloride	4.651	106.3		mg/L	100.0	102	80-120	J0312CLCS1	19-03-0717-4	03/12/19 18:34
EPA 6010B ICP Metals										
19-03-1128-2										
Arsenic	ND	0.4956		mg/L	0.5000	99	80-140	190321SA3	19-03-1128-2	03/22/19 11:37
Barium	0.1350	0.6945		mg/L	0.5000	112	87-123	190321SA3	19-03-1128-2	03/22/19 11:37
Cadmium	ND	0.5305		mg/L	0.5000	106	82-124	190321SA3	19-03-1128-2	03/22/19 11:37
Chromium	ND	0.5075		mg/L	0.5000	101	86-122	190321SA3	19-03-1128-2	03/22/19 11:37
Lead	ND	0.5413		mg/L	0.5000	108	84-120	190321SA3	19-03-1128-2	03/22/19 11:37
Selenium	ND	0.5429		mg/L	0.5000	109	79-127	190321SA3	19-03-1128-2	03/22/19 11:37
Silver	ND	0.2560		mg/L	0.2500	102	86-128	190321SA3	19-03-1128-2	03/22/19 11:37
EPA 7470A Mercury										
19-03-0717-1										
Mercury	0.0002559	0.009864		mg/L	0.01000	96	55-133	190322SA1	19-03-0717-1	03/22/19 13:36
EPA 8260B Volatile Organics										
19-03-0438-1										
Benzene	ND	0.01056		mg/L	0.01000	106	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Toluene	ND	0.01053		mg/L	0.01000	105	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Ethylbenzene	ND	0.01065		mg/L	0.01000	107	75-125	190313S009	19-03-0438-1	03/13/19 15:25
o-Xylene	ND	0.01046		mg/L	0.01000	105	75-127	190313S009	19-03-0438-1	03/13/19 15:25
p/m-Xylene	ND	0.02126		mg/L	0.02000	106	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Methyl-t-Butyl Ether (MTBE)	ND	0.007674		mg/L	0.01000	77	71-131	190313S009	19-03-0438-1	03/13/19 15:25
Tert-Butyl Alcohol (TBA)	ND	0.06339		mg/L	0.05000	127	20-180	190313S009	19-03-0438-1	03/13/19 15:25
Diisopropyl Ether (DIPE)	ND	0.009905		mg/L	0.01000	99	64-136	190313S009	19-03-0438-1	03/13/19 15:25
Ethyl-t-Butyl Ether (ETBE)	ND	0.008341		mg/L	0.01000	83	73-133	190313S009	19-03-0438-1	03/13/19 15:25
Tert-Amyl-Methyl Ether (TAME)	ND	0.009593		mg/L	0.01000	96	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Ethanol	ND	0.1379		mg/L	0.1000	138	73-139	190313S009	19-03-0438-1	03/13/19 15:25
1,1-Dichloroethene	ND	0.01024		mg/L	0.01000	102	66-126	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dibromoethane	ND	0.009988		mg/L	0.01000	100	75-126	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dichlorobenzene	ND	0.01025		mg/L	0.01000	102	75-125	190313S009	19-03-0438-1	03/13/19 15:25
1,2-Dichloroethane	ND	0.009825		mg/L	0.01000	98	75-127	190313S009	19-03-0438-1	03/13/19 15:25
Carbon Tetrachloride	ND	0.008573		mg/L	0.01000	86	69-135	190313S009	19-03-0438-1	03/13/19 15:25
Chlorobenzene	ND	0.009979		mg/L	0.01000	100	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Trichloroethene	ND	0.01043		mg/L	0.01000	104	75-125	190313S009	19-03-0438-1	03/13/19 15:25
Vinyl Chloride	ND	0.01188		mg/L	0.01000	119	52-142	190313S009	19-03-0438-1	03/13/19 15:25

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

QUALITY CONTROL
Matrix Spike Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	Spike Conc.	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 300.0 Anions												
19-03-0717-4												
Sulfate	19.69	74.40		mg/L	50.00	109	80-120	1	0-20	190311S01	19-03-0717-4	03/11/19 20:06
SM 4500-CL C Chloride												
19-03-0717-4												
Chloride	4.651	106.3		mg/L	100.0	102	80-120	0	0-25	J0312CLCS1	19-03-0717-4	03/12/19 18:34
EPA 6010B ICP Metals												
19-03-1128-2												
Arsenic	ND	0.5046		mg/L	0.5000	101	80-140	2	0-11	190321SA3	19-03-1128-2	03/22/19 11:39
Barium	0.1350	0.7110		mg/L	0.5000	115	87-123	2	0-6	190321SA3	19-03-1128-2	03/22/19 11:39
Cadmium	ND	0.5455		mg/L	0.5000	109	82-124	3	0-7	190321SA3	19-03-1128-2	03/22/19 11:39
Chromium	ND	0.5241		mg/L	0.5000	105	86-122	3	0-8	190321SA3	19-03-1128-2	03/22/19 11:39
Lead	ND	0.5542		mg/L	0.5000	111	84-120	2	0-7	190321SA3	19-03-1128-2	03/22/19 11:39
Selenium	ND	0.5557		mg/L	0.5000	111	79-127	2	0-9	190321SA3	19-03-1128-2	03/22/19 11:39
Silver	ND	0.2627		mg/L	0.2500	105	86-128	3	0-7	190321SA3	19-03-1128-2	03/22/19 11:39
EPA 7470A Mercury												
19-03-0717-1												
Mercury	0.0002559	0.009239		mg/L	0.01000	90	55-133	7	0-20	190322SA1	19-03-0717-1	03/22/19 13:54
EPA 8260B Volatile Organics												
19-03-0438-1												
Benzene	ND	0.01021		mg/L	0.01000	102	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Toluene	ND	0.01016		mg/L	0.01000	102	75-125	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethylbenzene	ND	0.01024		mg/L	0.01000	102	75-125	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
o-Xylene	ND	0.01017		mg/L	0.01000	102	75-127	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
p/m-Xylene	ND	0.02071		mg/L	0.02000	104	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Methyl-t-Butyl Ether (MTBE)	ND	0.007429		mg/L	0.01000	74	71-131	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Tert-Butyl Alcohol (TBA)	ND	0.06602		mg/L	0.05000	132	20-180	4	0-40	190313S009	19-03-0438-1	03/13/19 15:52
Diisopropyl Ether (DIPE)	ND	0.009671		mg/L	0.01000	97	64-136	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethyl-t-Butyl Ether (ETBE)	ND	0.008111		mg/L	0.01000	81	73-133	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Tert-Amyl-Methyl Ether (TAME)	ND	0.009331		mg/L	0.01000	93	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Ethanol	ND	0.1385		mg/L	0.1000	139	73-139	0	0-27	190313S009	19-03-0438-1	03/13/19 15:52
1,1-Dichloroethene	ND	0.009936		mg/L	0.01000	99	66-126	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dibromoethane	ND	0.009765		mg/L	0.01000	98	75-126	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dichlorobenzene	ND	0.009918		mg/L	0.01000	99	75-125	3	0-20	190313S009	19-03-0438-1	03/13/19 15:52
1,2-Dichloroethane	ND	0.009484		mg/L	0.01000	95	75-127	4	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Carbon Tetrachloride	ND	0.008680		mg/L	0.01000	87	69-135	1	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Chlorobenzene	ND	0.009742		mg/L	0.01000	97	75-125	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Trichloroethene	ND	0.01022		mg/L	0.01000	102	75-125	2	0-20	190313S009	19-03-0438-1	03/13/19 15:52
Vinyl Chloride	ND	0.01184		mg/L	0.01000	118	52-142	0	0-20	190313S009	19-03-0438-1	03/13/19 15:52

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19

QUALITY CONTROL
Sample Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
SM 2320B Alkalinity									
19-03-0731-11									
Alkalinity, Total (as CaCO3)	198.5	195.6		mg/L	1	0-25	J0313ALKD1	19-03-0731-11	03/13/19 17:04
SM 2540 C Total Dissolved Solids									
19-03-0717-1									
Solids, Total Dissolved	745.0	690.0		mg/L	8	0-20	J0313TDSD1	19-03-0717-1	03/13/19 14:00

Return to Contents

RPD: Relative Percent Difference.

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
EPA 300.0 Anions								
099-12-906-9229								
Sulfate	50.00	48.67		mg/L	97	90-110	190311L01	03/11/19 13:07
EPA 300.0 Anions								
099-12-906-9236								
Sulfate	50.00	48.92		mg/L	98	90-110	190313L02	03/13/19 23:53
SM 2320B Alkalinity								
099-17-086-265								
Alkalinity, Total (as CaCO3)	100.0	103.7		mg/L	104	80-120	J0313ALKB1	03/13/19 17:04
SM 2540 C Total Dissolved Solids								
099-12-180-6750								
Solids, Total Dissolved	100.0	90.00		mg/L	90	80-120	J0313TDSB1	03/13/19 14:00
SM 4500-CL C Chloride								
099-05-057-2249								
Chloride	100.0	101.3		mg/L	101	80-120	J0312CLCL1	03/12/19 18:34
EPA 6010B ICP Metals								
097-01-003-17305								
Arsenic	0.5000	0.5313		mg/L	106	80-120	190321LA3	03/22/19 11:33
Barium	0.5000	0.5887		mg/L	118	80-120	190321LA3	03/22/19 11:33
Cadmium	0.5000	0.5537		mg/L	111	80-120	190321LA3	03/22/19 11:33
Chromium	0.5000	0.5368		mg/L	107	80-120	190321LA3	03/22/19 11:33
Lead	0.5000	0.5762		mg/L	115	80-120	190321LA3	03/22/19 11:33
Selenium	0.5000	0.5182		mg/L	104	80-120	190321LA3	03/22/19 11:33
Silver	0.2500	0.2710		mg/L	108	80-120	190321LA3	03/22/19 11:33
EPA 7470A Mercury								
099-12-457-391								
Mercury	0.01000	0.009494		mg/L	95	80-120	190322LA1M	03/22/19 13:32
EPA 8270C SIM PAHs								
099-06-008-1107								
Naphthalene	0.002000	0.001905		mg/L	95	21-133	190312L02	03/15/19 21:53
2-Methylnaphthalene	0.002000	0.002027		mg/L	101	21-140	190312L02	03/15/19 21:53
1-Methylnaphthalene	0.002000	0.001844		mg/L	92	20-140	190312L02	03/15/19 21:53
Acenaphthylene	0.002000	0.001930		mg/L	97	33-145	190312L02	03/15/19 21:53
Acenaphthene	0.002000	0.001759		mg/L	88	55-121	190312L02	03/15/19 21:53
Fluorene	0.002000	0.001927		mg/L	96	59-121	190312L02	03/15/19 21:53
Phenanthrene	0.002000	0.002020		mg/L	101	54-120	190312L02	03/15/19 21:53
Anthracene	0.002000	0.002040		mg/L	102	27-133	190312L02	03/15/19 21:53
Fluoranthene	0.002000	0.002009		mg/L	100	26-137	190312L02	03/15/19 21:53
Pyrene	0.002000	0.002029		mg/L	101	45-129	190312L02	03/15/19 21:53

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
Benzo (a) Anthracene	0.002000	0.002109		mg/L	105	33-143	190312L02	03/15/19 21:53
Chrysene	0.002000	0.002009		mg/L	100	17-168	190312L02	03/15/19 21:53
Benzo (k) Fluoranthene	0.002000	0.001761		mg/L	88	24-159	190312L02	03/15/19 21:53
Benzo (b) Fluoranthene	0.002000	0.002203		mg/L	110	24-159	190312L02	03/15/19 21:53
Benzo (a) Pyrene	0.002000	0.002451		mg/L	123	17-163	190312L02	03/15/19 21:53
Indeno (1,2,3-c,d) Pyrene	0.002000	0.002129		mg/L	106	25-175	190312L02	03/15/19 21:53
Dibenz (a,h) Anthracene	0.002000	0.002193		mg/L	110	25-175	190312L02	03/15/19 21:53
Benzo (g,h,i) Perylene	0.002000	0.002167		mg/L	108	25-157	190312L02	03/15/19 21:53

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

EPA 8260B Volatile Organics
099-12-878-795

Benzene	0.01000	0.01078		mg/L	108	80-120	190313L016	03/13/19 10:16
Toluene	0.01000	0.01078		mg/L	108	80-120	190313L016	03/13/19 10:16
Ethylbenzene	0.01000	0.01102		mg/L	110	80-120	190313L016	03/13/19 10:16
o-Xylene	0.01000	0.01097		mg/L	110	80-120	190313L016	03/13/19 10:16
p/m-Xylene	0.02000	0.02228		mg/L	111	80-120	190313L016	03/13/19 10:16
Methyl-t-Butyl Ether (MTBE)	0.01000	0.007565		mg/L	76	75-123	190313L016	03/13/19 10:16
Tert-Butyl Alcohol (TBA)	0.05000	0.05596		mg/L	112	80-120	190313L016	03/13/19 10:16
Diisopropyl Ether (DIPE)	0.01000	0.01041		mg/L	104	73-121	190313L016	03/13/19 10:16
Ethyl-t-Butyl Ether (ETBE)	0.01000	0.008578		mg/L	86	76-124	190313L016	03/13/19 10:16
Tert-Amyl-Methyl Ether (TAME)	0.01000	0.009795		mg/L	98	80-120	190313L016	03/13/19 10:16
Ethanol	0.1000	0.1375	LQ,RU	mg/L	137	73-133	190313L016	03/13/19 10:16
1,1-Dichloroethene	0.01000	0.01017		mg/L	102	77-120	190313L016	03/13/19 10:16
1,2-Dibromoethane	0.01000	0.01029		mg/L	103	80-120	190313L016	03/13/19 10:16
1,2-Dichlorobenzene	0.01000	0.01046		mg/L	105	80-120	190313L016	03/13/19 10:16
1,2-Dichloroethane	0.01000	0.009904		mg/L	99	80-122	190313L016	03/13/19 10:16
Carbon Tetrachloride	0.01000	0.009106		mg/L	91	80-129	190313L016	03/13/19 10:16
Chlorobenzene	0.01000	0.01054		mg/L	105	80-120	190313L016	03/13/19 10:16
Trichloroethene	0.01000	0.01082		mg/L	108	80-120	190313L016	03/13/19 10:16
Vinyl Chloride	0.01000	0.01104		mg/L	110	63-135	190313L016	03/13/19 10:16

Total number of LCS compounds: 19
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

EPA 8260B Volatile Organics
099-12-878-796

Benzene	0.01000	0.01034		mg/L	103	80-120	190314L066	03/14/19 17:12

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
Toluene	0.01000	0.01028		mg/L	103	80-120	190314L066	03/14/19 17:12
Ethylbenzene	0.01000	0.01025		mg/L	103	80-120	190314L066	03/14/19 17:12
o-Xylene	0.01000	0.01029		mg/L	103	80-120	190314L066	03/14/19 17:12
p/m-Xylene	0.02000	0.02078		mg/L	104	80-120	190314L066	03/14/19 17:12
Methyl-t-Butyl Ether (MTBE)	0.01000	0.01009		mg/L	101	75-123	190314L066	03/14/19 17:12
Tert-Butyl Alcohol (TBA)	0.05000	0.04783		mg/L	96	80-120	190314L066	03/14/19 17:12
Diisopropyl Ether (DIPE)	0.01000	0.01038		mg/L	104	73-121	190314L066	03/14/19 17:12
Ethyl-t-Butyl Ether (ETBE)	0.01000	0.01032		mg/L	103	76-124	190314L066	03/14/19 17:12
Tert-Amyl-Methyl Ether (TAME)	0.01000	0.01030		mg/L	103	80-120	190314L066	03/14/19 17:12
Ethanol	0.1000	0.1004		mg/L	100	73-133	190314L066	03/14/19 17:12
1,1-Dichloroethene	0.01000	0.01063		mg/L	106	77-120	190314L066	03/14/19 17:12
1,2-Dibromoethane	0.01000	0.01036		mg/L	104	80-120	190314L066	03/14/19 17:12
1,2-Dichlorobenzene	0.01000	0.009859		mg/L	99	80-120	190314L066	03/14/19 17:12
1,2-Dichloroethane	0.01000	0.01020		mg/L	102	80-122	190314L066	03/14/19 17:12
Carbon Tetrachloride	0.01000	0.01087		mg/L	109	80-129	190314L066	03/14/19 17:12
Chlorobenzene	0.01000	0.01015		mg/L	101	80-120	190314L066	03/14/19 17:12
Trichloroethene	0.01000	0.01039		mg/L	104	80-120	190314L066	03/14/19 17:12
Vinyl Chloride	0.01000	0.01073		mg/L	107	63-135	190314L066	03/14/19 17:12

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
EPA 300.0 Anions											
099-12-906-9236											
Sulfate	50.00	48.80		mg/L	98	90-110	0	0-15	190313L02	099-12-906-9236	03/14/19 00:13
SM 2320B Alkalinity											
099-17-086-265											
Alkalinity, Total (as CaCO3)	100.0	102.1		mg/L	102	80-120	2	0-20	J0313ALKB1	099-17-086-265	03/13/19 17:04
SM 2540 C Total Dissolved Solids											
099-12-180-6750											
Solids, Total Dissolved	100.0	95.00		mg/L	95	80-120	5	0-20	J0313TDSB1	099-12-180-6750	03/13/19 14:00
SM 4500-CL C Chloride											
099-05-057-2249											
Chloride	100.0	100.8		mg/L	101	80-120	0	0-20	J0312CLCL1	099-05-057-2249	03/12/19 18:34
EPA 6010B ICP Metals											
097-01-003-17305											
Arsenic	0.5000	0.5297		mg/L	106	80-120	0	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
Barium	0.5000	0.5860		mg/L	117	80-120	0	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
Cadmium	0.5000	0.5509		mg/L	110	80-120	0	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
Chromium	0.5000	0.5335		mg/L	107	80-120	1	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
Lead	0.5000	0.5812		mg/L	116	80-120	1	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
Selenium	0.5000	0.5152		mg/L	103	80-120	1	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
Silver	0.2500	0.2693		mg/L	108	80-120	1	0-20	190321LA3	097-01-003-17305	03/22/19 11:34
EPA 8270C SIM PAHs											
099-06-008-1107											
Naphthalene	0.002000	0.001936		mg/L	97	21-133	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
2-Methylnaphthalene	0.002000	0.002043		mg/L	102	21-140	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
1-Methylnaphthalene	0.002000	0.001856		mg/L	93	20-140	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Acenaphthylene	0.002000	0.001932		mg/L	97	33-145	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Acenaphthene	0.002000	0.001763		mg/L	88	55-121	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Fluorene	0.002000	0.001889		mg/L	94	59-121	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Phenanthrene	0.002000	0.002033		mg/L	102	54-120	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Anthracene	0.002000	0.002039		mg/L	102	27-133	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Fluoranthene	0.002000	0.001997		mg/L	100	26-137	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12

Qual - Qualifiers RPD: Relative Percent Difference

Return to Contents

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The difference is service

Client: Cardno
20505 Crescent Bay Drive
Lake Forest, CA 92630-8825

Work Order: 19-03-0717
Project Name: ExxonMobil Gladiola Station
Date Received: 03/09/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
Pyrene	0.002000	0.002069		mg/L	103	45-129	2	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (a) Anthracene	0.002000	0.002111		mg/L	106	33-143	0	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Chrysene	0.002000	0.002021		mg/L	101	17-168	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (k) Fluoranthene	0.002000	0.001809		mg/L	90	24-159	3	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (b) Fluoranthene	0.002000	0.002225		mg/L	111	24-159	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (a) Pyrene	0.002000	0.002481		mg/L	124	17-163	1	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Indeno (1,2,3-c,d) Pyrene	0.002000	0.002217		mg/L	111	25-175	4	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Dibenz (a,h) Anthracene	0.002000	0.002262		mg/L	113	25-175	3	0-25	190312L02	099-06-008-1107	03/15/19 22:12
Benzo (g,h,i) Perylene	0.002000	0.002244		mg/L	112	25-157	4	0-25	190312L02	099-06-008-1107	03/15/19 22:12

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

EPA 8260B Volatile Organics
099-12-878-796

Benzene	0.01000	0.009843		mg/L	98	80-120	5	0-22	190314L066	099-12-878-796	03/14/19 17:40
Toluene	0.01000	0.009963		mg/L	100	80-120	3	0-28	190314L066	099-12-878-796	03/14/19 17:40
Ethylbenzene	0.01000	0.009984		mg/L	100	80-120	3	0-25	190314L066	099-12-878-796	03/14/19 17:40
o-Xylene	0.01000	0.01005		mg/L	101	80-120	2	0-30	190314L066	099-12-878-796	03/14/19 17:40
p/m-Xylene	0.02000	0.02015		mg/L	101	80-120	3	0-30	190314L066	099-12-878-796	03/14/19 17:40
Methyl-t-Butyl Ether (MTBE)	0.01000	0.009935		mg/L	99	75-123	2	0-27	190314L066	099-12-878-796	03/14/19 17:40
Tert-Butyl Alcohol (TBA)	0.05000	0.05015		mg/L	100	80-120	5	0-30	190314L066	099-12-878-796	03/14/19 17:40
Diisopropyl Ether (DIPE)	0.01000	0.009910		mg/L	99	73-121	5	0-26	190314L066	099-12-878-796	03/14/19 17:40
Ethyl-t-Butyl Ether (ETBE)	0.01000	0.01004		mg/L	100	76-124	3	0-30	190314L066	099-12-878-796	03/14/19 17:40
Tert-Amyl-Methyl Ether (TAME)	0.01000	0.01012		mg/L	101	80-120	2	0-24	190314L066	099-12-878-796	03/14/19 17:40
Ethanol	0.1000	0.1053		mg/L	105	73-133	5	0-30	190314L066	099-12-878-796	03/14/19 17:40
1,1-Dichloroethene	0.01000	0.009940		mg/L	99	77-120	7	0-26	190314L066	099-12-878-796	03/14/19 17:40
1,2-Dibromoethane	0.01000	0.01022		mg/L	102	80-120	1	0-32	190314L066	099-12-878-796	03/14/19 17:40
1,2-Dichlorobenzene	0.01000	0.01006		mg/L	101	80-120	2	0-30	190314L066	099-12-878-796	03/14/19 17:40
1,2-Dichloroethane	0.01000	0.01002		mg/L	100	80-122	2	0-23	190314L066	099-12-878-796	03/14/19 17:40
Carbon Tetrachloride	0.01000	0.01024		mg/L	102	80-129	6	0-36	190314L066	099-12-878-796	03/14/19 17:40
Chlorobenzene	0.01000	0.009874		mg/L	99	80-120	3	0-29	190314L066	099-12-878-796	03/14/19 17:40
Trichloroethene	0.01000	0.01001		mg/L	100	80-120	4	0-25	190314L066	099-12-878-796	03/14/19 17:40
Vinyl Chloride	0.01000	0.01019		mg/L	102	63-135	5	0-30	190314L066	099-12-878-796	03/14/19 17:40

Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Client:	Cardno	Work Order:	19-03-0717
	20505 Crescent Bay Drive	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8825	Date Received:	03/09/19

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample Duplicate

Analyte	LCS Val.	Duplicate	Qual.	Units	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time

Total number of LCS compounds: 19
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Work Order: 19-03-0717 Page 1 of 1

Sample Analysis Summary Report

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	27	IC 15	1
EPA 6010B	EPA 3010A Total	771	ICP 8300	1
EPA 7470A	EPA 7470A Total	868	Mercury 08	1
EPA 8260B	EPA 5030C	1126	GC/MS L	2
EPA 8270C SIM PAHs	EPA 3510C	923	GC/MS AAA	1
SM 2320B	N/A	1168	PCT 1	1
SM 2540 C	N/A	1183	N/A	1
SM 4500-Cl C	N/A	1168	BUR02	1

Return to Contents

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The difference is service

Work Order: 19-03-0717 Page 1 of 1

Glossary of Terms and Qualifiers

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.

Return to Contents

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7440 LINCOLN WAY
GARDEN GROVE, CA 92841-1432
TEL: (714) 895-5494 . FAX: (714) 894-7501

Site Name	
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station

CHAIN OF CUSTODY RECORD

DATE: 3/7/19
PAGE: 1 OF 2

ExxonMobil Engr: Maria Madden

LABORATORY CLIENT: Cardno
ADDRESS: 25371 Comemrcentre Drive. Suite 250
CITY: Lake Forest, CA 92630
TEL: 949-457-8941 FAX: 949-457-8956 dave.purdy@cardno.com

GLOBAL ID #/ COELT LOG CODE:
PROJECT CONTACT: David Purdy
SAMPLER(S): Vincent Nguyen, Clint Calipz

EMES Sub Agreement #A2604415
LAB: 19030077
COOLER RECEIPT Temp = °C

TURNAROUND TIME: ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☑ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY): ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only (TC# 6401)	EPA 8270C SIM PAHs (TC# 4741)	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag only (TC# 2516)	EPA 7470A Mercury (TC# 5096)	EPA 300.0 Sulfate (TC# 5431)	SM 2320B Alkalinity (TC# 6512) and SM 4500-Cl C Chloride (TC# 755)	SM 2540C Total Dissolved Solids (TC# 4942)	CONTAINER TYPE
1	W-40-BS/MW31	BS/MW31	3-7-19	1139	W	12	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic -2
2	W-41-MW11	MW11	3-7-19	0950	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
3	W-41-MW10	MW10	3-7-19	0940	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
4	W-39-MW6	MW6	3-7-19	1050	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
~~5~~					~~W~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	[redacted]
~~6~~					~~W~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	[redacted]
~~7~~					~~W~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	[redacted]
~~8~~					~~W~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	[redacted]
5	Trip Blanks	QCTB	—	—	W	3	X							

Relinquished by: (Signature)	Received by: (Signature) FedEx	Date, & Time: 3-8-19/0845
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 3/9/19 1110
Relinquished by: (Signature) COC\Gladiola Station-NM Site COC-13 samples	Received by: (Signature)	Date, & Time:

Return to Contents

0717

ORIGIN ID:HOBA (949) 457-8950
CARDNO
20505 CRESCENT BAY DR
LAKE FOREST, CA 92630
UNITED STATES US

SHIP DATE: 08MAR19
ACTWGT: 51.10 LB
CAD: 006994246/SSFE1922
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS CALSCIENCE
EUROFINS CALSCIENCE
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494
INV:
PO:
REF:
DEPT:

FedEx Express

2 of 2
MPS# 0263 7859 1255 6231
Mstr# 7859 1255 6220
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO APVA

92841
CA-US SNA

ORIGIN ID:HOBA (949) 457-8950
CARDNO
20505 CRESCENT BAY DR
LAKE FOREST, CA 92630
UNITED STATES US

SHIP DATE: 08MAR19
ACTWGT: 56.50 LB
CAD: 006994246/SSFE1922
DIMS: 24x13x13 IN
BILL THIRD PARTY

TO EUROFINS CALSCIENCE
EUROFINS CALSCIENCE
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(714) 895-5494
INV:
PO:
REF:
DEPT:

FedEx Express

1 of 2
TRK# 0201 7859 1255 6220
MASTER

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO APVA

92841
CA-US SNA

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WORK ORDER NUMBER: 19-03-0717

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: Cardno

DATE: 03/09/2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.5 °C (w/ CF): 2.0 °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: _____

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** ☐ 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 ☐ 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: _____

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

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WORK ORDER NUMBER: 19-03

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: Cardno

DATE: 03/09/2019

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

Thermometer ID: SC6 (CF: -0.5°C); Temperature (w/o CF): 2.6 °C (w/ CF): 2.1 °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: SR

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: N/A)

Aqueous: ☐ VOA ☑ VOAh (5) ☐ VOAna$_2$ ☐ 100PJ ☐ 100PJna$_2$ ☐ 125AGB ☐ 125AGBh ☐ 125AGBp ☑ 125PB ☐ 125PBznna (pH__9)

☐ 250AGB ☐ 250CGB ☐ 250CGBs (pH__2) ☑ 250PB ☑ 250PBn (pH<2) ☐ 500AGB ☐ 500AGJ ☐ 500AGJs (pH__2) ☐ 500PB

☑ 1AGB (2) ☐ 1AGBna$_2$ ☐ 1AGBs (pH__2) ☐ 1AGBs (O&G) ☑ 1PB ☐ 1PBna (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, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: SR

Reviewed by: ZF

Return to Contents

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WORK ORDER NUMBER: 19-03-0717

SAMPLE ANOMALY REPORT

DATE: 03/07/2019

SAMPLES, CONTAINERS, AND LABELS:

Comments

- ☐ Sample(s) NOT RECEIVED but listed on COC
- ☐ Sample(s) received but NOT LISTED on COC
- ☐ Holding time expired (list client or ECI sample ID and analysis)
- ☐ Insufficient sample amount for requested analysis (list analysis)
- ☐ Improper container(s) used (list analysis)
- ☐ Improper preservative used (list analysis)
- ☐ pH outside acceptable range (list analysis)
- ☐ No preservative noted on COC or label (list analysis and notify lab)
- ☐ Sample container(s) not labeled
- ☐ Client sample label(s) illegible (list container type and analysis)
- ☐ Client sample label(s) do not match COC (comment)
  - ☐ Project information
  - ☐ Client sample ID
  - ☐ Sampling date and/or time
  - ☐ Number of container(s)
  - ☐ Requested analysis
- ☐ Sample container(s) compromised (comment)
  - ☐ Broken
  - ☐ Water present in sample container
- ☐ Air sample container(s) compromised (comment)
  - ☐ Flat
  - ☐ Very low in volume
  - ☐ Leaking (not transferred; duplicate bag submitted)
  - ☐ Leaking (transferred into ECI Tedlar™ bags*)
  - ☐ Leaking (transferred into client's Tedlar™ bags*)

* Transferred at client's request.

MISCELLANEOUS: (Describe)

Comments

HEADSPACE:

(Containers with bubble > 6 mm or ¼ inch for volatile organic or dissolved gas analysis)

ECI Sample ID	ECI Container ID	Total Number**	ECI Sample ID	ECI Container ID	Total Number**
5	ABC				

(Containers with bubble for other analysis)

ECI Sample ID	ECI Container ID	Total Number**	Requested Analysis

Comments: _____

** Record the total number of containers (i.e., vials or bottles) for the affected sample.

Reported by: BDZ

Reviewed by: TTG

Return to Contents

APPENDIX C

WASTE DISPOSAL DOCUMENTATION

ALAMO 1

BILL OF LADING 6092

~~AR18-01317~~

GENERATOR

GENERATOR NAME AND ADDRESS	GENERATOR LOCATION/ADDRESS
ExxonMobil Oil Corporation, C/O Cardno 20505 Crescent Bay Drive Lake Forest, California 92630 PHONE NO. ( )	Former Exxon Station 67591 600 E. Santa Fe Avenue Grants, New Mexico 87020 PHONE NO. ( )
GENERATOR'S US EPA ID NO.	STATE GENERATOR'S ID:

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE
Purged Well Water	N/A	1	55gal	1	DM

GENERATOR AUTHORIZED AGENT NAME	SIGNATURE	SHIPMENT DATE
Vincent Nguyen	X Vinh Nguyen	9/20/18

TRANSPORTER

TRUCK NO.	PHONE NO.
EV 7324	800-322-5085
TRANSPORTER'S NAME Alamo 1	DRIVER'S NAME (PRINT) Yancey Isidro
ADDRESS 2900 Nacogdoches Rd. San Antonio, Texas 78217	VEHICLE LICENSE NO./STATE VEHICLE CERTIFICATION
US EPA ID NO. TXR000060442	STATE TRANSPORTER'S ID: 87517

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.		I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.	
DRIVER SIGNATURE	SHIPMENT DATE	DRIVER SIGNATURE	SHIPMENT DATE
	9-20-18		

DESTINATION

SITE NAME	PHONE
Sundance Services, Inc.	575-390-0942

ADDRESS: 5 miles East of Eunice, NM on Sundance Rd. (Off Wallah Rd near intersection of Hwy 18 and Hwy 234) Eunice, New Mexico

US EPA ID NO.	STATE FACILITIES ID:

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.

NAME OF AUTHORIZED AGENT	SIGNATURE	RECEIPT DATE
Elsa Ontiveros		9-20-18

WHITE - GENERATOR'S SECOND COPY YELLOW - FACILITY PINK - TRANSPORTER GOLD - GENERATOR'S FIRST COPY

ALAMO 1

BILL OF LADING 6134

GENERATOR

GENERATOR NAME AND ADDRESS
Exxon Mobil Oil Corporation
8941 Atlanta Avenue #384
Huntington Beach, CA 92646
PHONE NO. ( )

GENERATOR LOCATION/ADDRESS
Gladiola Station
Copeland Road 3 miles North on the
Intersection of Copeland Road and Hwy 38
Tatum NM 88267
PHONE NO. ( )

GENERATOR'S US EPA ID NO.

STATE GENERATOR'S ID:

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE
LNAPL/Purged Well Water	N/A			1	DM

GENERATOR AUTHORIZED AGENT NAME
Vincent Nguyen (for Exxon Mobil)

SIGNATURE
Vinh Nguyen

SHIPMENT DATE
3/07/19

TRANSPORTER

TRUCK NO.

PHONE NO.
800 322 5085

TRANSPORTER'S NAME
Alamo 1

DRIVER'S NAME (PRINT)
Mitchell Wechter

ADDRESS
2900 Nacogdoches Road
San Antonio Tx 78217

VEHICLE LICENSE NO./STATE

VEHICLE CERTIFICATION

US EPA ID NO. TXR000060442

STATE TRANSPORTER'S ID: 87517

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

DRIVER SIGNATURE

SHIPMENT DATE
3-7-19

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

DRIVER SIGNATURE

SHIPMENT DATE

DESTINATION

SITE NAME
Sundance Services Inc

PHONE
575 408 2606

ADDRESS
5 miles East of Eunice, NM on Sundance Road (off Wallach Rd. near Intersection of Hwy 18 and Hwy 234) Eunice, NM

US EPA ID NO.

STATE FACILITIES ID:

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.

NAME OF AUTHORIZED AGENT
Sundance Services, Inc.
P.O. Box 1737
Eunice, NM 88231
575-394-1511
Permit # NM-01-0003

SIGNATURE

RECEIPT DATE
3-7-19

WHITE - GENERATOR'S SECOND COPY YELLOW - FACILITY PINK - TRANSPORTER GOLD - GENERATOR'S FIRST COPY

ALAMO 1

BILL OF LADING 6133

AR19-01152

GENERATOR

GENERATOR NAME AND ADDRESS
ExxonMobil Oil Corporation
8941 Atlanta Avenue, #384
Huntington Beach, CA 92646
PHONE NO. ( )

GENERATOR LOCATION/ADDRESS
Gladiola Station
Copeland Road 3 Miles North of the
Intersection of Copeland Rd. & Hwy 38
Tatum, NM 88267
PHONE NO. ( )

GENERATOR'S US EPA ID NO. 713-964-4935

STATE GENERATOR'S ID:

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE
Purge Water	N/A			3	DM

GENERATOR AUTHORIZED AGENT NAME: Vincent Nguyen (for ExxonMobil)

SIGNATURE: Vinh Nguyen

SHIPMENT DATE: 3/07/19

TRANSPORTER

TRUCK NO.

PHONE NO.
800-322-5085

TRANSPORTER'S NAME
Alamo 1

DRIVER'S NAME (PRINT)
Mitchell Wacker

ADDRESS
2900 Nacogdoches Road
San Antonio, TX 78217

VEHICLE LICENSE NO./STATE

VEHICLE CERTIFICATION

US EPA ID NO. TXR000060442

STATE TRANSPORTER'S ID: 87517

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.

DRIVER SIGNATURE: Mitchell Wacker

SHIPMENT DATE: 3-7-19

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

DRIVER SIGNATURE

SHIPMENT DATE

DESTINATION

SITE NAME
Sundance Services Inc.

PHONE
575-408-2606

ADDRESS
5 Miles East of Eunice, NM on Sundance Road (Off Wallah Rd. near Intersection of Hwy 18 & Hwy 234) Eunice, NM

Sundance Services, Inc.
P.O. Box 1737
Eunice, NM 88231
Permit # NM-01-0003

US EPA ID NO.

STATE FACILITIES ID:

I HEREBY CERTIFY THAT THE ABOVE NAMED MATERIAL HAS BEEN ACCEPTED AND TO THE BEST OF MY KNOWLEDGE THE FOREGOING IS TRUE AND ACCURATE.

NAME OF AUTHORIZED AGENT

SIGNATURE

RECEIPT DATE: 3-7-19

WHITE - GENERATOR'S SECOND COPY YELLOW - FACILITY PINK - TRANSPORTER GOLD - GENERATOR'S FIRST COPY

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
https://www.emnrd.nm.gov/ocd/contact-us

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409545
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Fourth Quarter 2018 and First Quarter 2019 Semi-Annual Groundwater Monitoring Report has been accepted for the record. App ID: 409545	12/16/2024