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September 6, 2017
Cardno 01361204.Q172

Mr. Larry Johnson
New Mexico Oil Conservation Division
1625 North French Drive
Hobbs, New Mexico 88240

SUBJECT **First and Second Quarter 2017**
Semi-Annual Groundwater Monitoring Report
Gladiola Station
Lea County, New Mexico
OCD No. AP038

Mr. Johnson:

At the request of ExxonMobil Environmental Services Company (EMES) on behalf of ExxonMobil US Production Company, Cardno is submitting the *First and Second Quarter 2017 Semi-Annual Groundwater Monitoring Report* for the subject site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates for EMES 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, EMES

First and Second Quarter 2017 Semi-Annual Groundwater Monitoring Report

Gladiola Station

Lea County, New Mexico
OCD No. AP038

Cardno 01361204.Q172

Prepared for
ExxonMobil Environmental Services Company

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1 Introduction

At the request of ExxonMobil Environmental Services Company (EMES), 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 rar (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 (bbls) occurred as a result of a leak from the former western sump overflow/bleeder valve, located to the northeast of well MW-1. The November 18, 2002, *Leak, Maintenance and Exposed Pipe Report* indicated that 5 bbls 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).

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 the site or land 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 at each boring location. GES then gauged and sampled the temporary monitoring wells. No measurable NAPL was encountered in the wells (AECOM, 2014a).

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

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. These activities were documented in the *Soil Coring Investigation Report* (B&H, 2003).

May 18 to June 27, 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).

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, 2014).

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).

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

On May 24, 2017, monitoring wells MW-1 through MW-26 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

On May 24, 2017, 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 Recovery Test

On May 24 and 25, 2017, Cardno conducted a NAPL recovery test to assess whether sustained flow of NAPL is possible by pumping. During the test approximately 10 to 15 gallons of NAPL were removed.

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. The water was transported by Alamo1 to the Sundance Services, Inc. in Eunice, New Mexico. Waste disposal documentation is included in Appendix C.

7 Results

Measurable NAPL was encountered in monitoring wells MW-1, MW-3, MW-4, MW-5, MW-9, MW-12 through MW-18, MW-20, MW-21, MW-23, MW-24, and MW-25. NAPL thickness ranged from 0.02 foot (MW-15 and MW-17) to 3.44 feet (MW-14).

Measured groundwater levels in the wells ranged from 35.80 feet below TOC (well MW-3) to 41.61 feet below TOC (MW-14). The apparent groundwater flow direction was ranged from north 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-26.
- **Mercury:** MW-10.
- **TDS:** MW-10 and MW-11.

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 groundwater flow direction was consistent with historical results. Cardno recommends continued semi-annual groundwater monitoring at the site. A report documenting the results of the NAPL pump test will be submitted under a separate cover.

9 Contact Information

The responsible party contact is Ms. Marla D. Madden, EMES, 18685 Main Street, Suite 101 PMB 601, Huntington Beach, California, 92648-1719.

The consultant contact is Mr. David M. Purdy, Cardno, 25371 Commercentre Drive, Suite 250, Lake Forest, California, 92630.

The agency contact is Mr. Larry Johnson, NMOCD, 1625 North French Drive, Hobbs, New Mexico, 88240.

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

AECOM. March 3, 2014a. *Technical Memorandum – Review of Forensic Laboratory Reports*.

AECOM. December 2014b. *2014 Annual Groundwater Monitoring Report*, Gladiola Station, Sec 5, T-12-S, R-38-E, Tatum, Lea County, New Mexico.

B & H Environmental Services (B&H). 2003. *Soil Coring Investigation Report*, Gladiola Station, Lea County, New Mexico.

BNC Environmental Services, Inc. (BNC). August 20, 2004. *Soil and Groundwater Assessment Report*, Gladiola Station, Section 5, T-12-S, R-38-E, Lea County, New Mexico.

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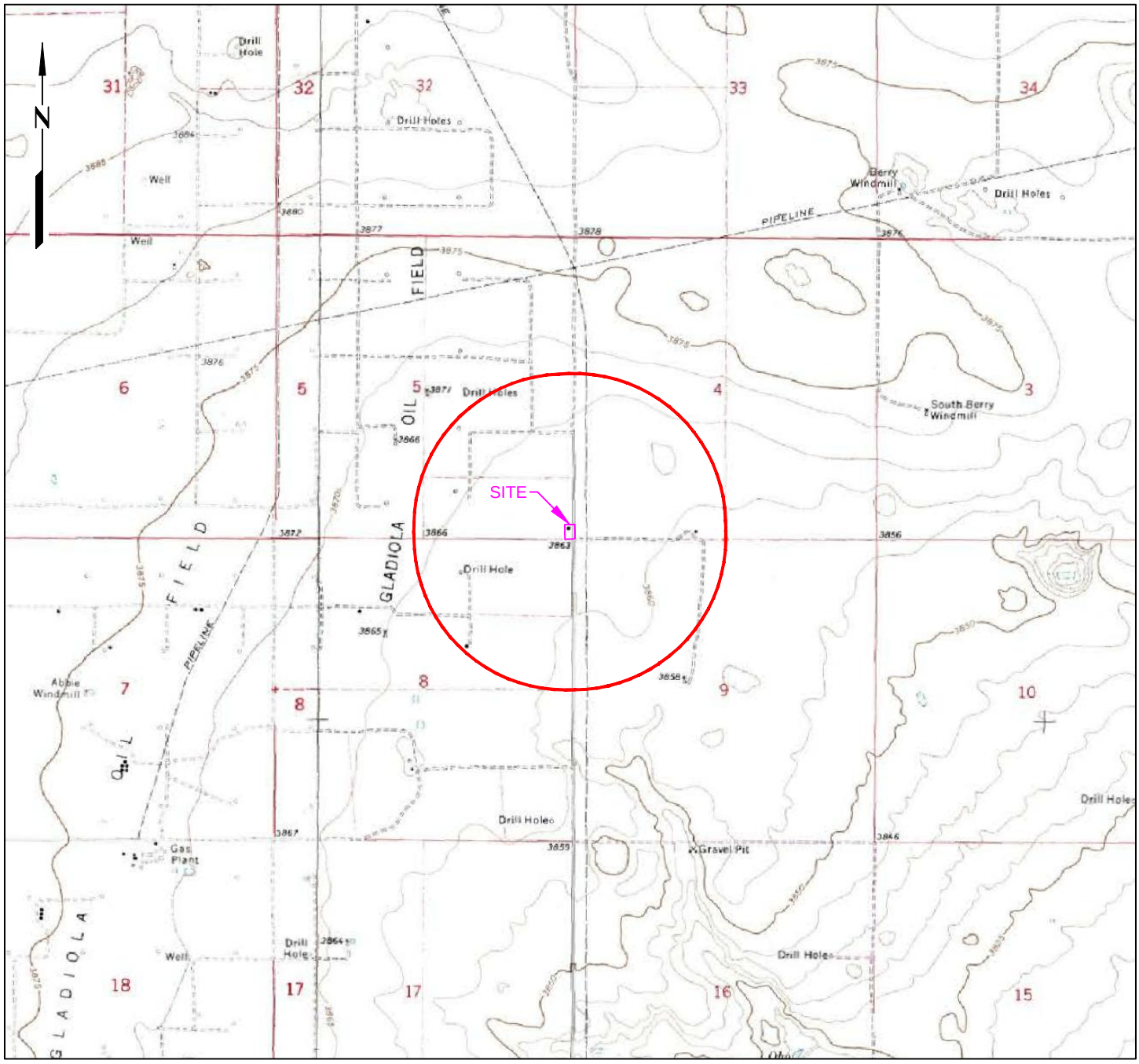
Kleinfelder West, Inc. (Kleinfelder). August 18, 2008. *Stage 1 Site Abatement Report*, Gladiola Station, Lea County, New Mexico.

New Mexico Oil Conservation Division (NMOCD). August 13, 1993. *Guidelines for Remediation of Spills, Leaks, and Releases*.

NOVA Safety and Environmental (NOVA). March 2008. *Site Closure Request*, Gladiola Gathering, Unit D, Section 9, Township 13 South, Range 38 East, East of Tatum, Lea County, New Mexico.

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.TOPO01

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

SOURCE: Modified from a map provided by MapPass

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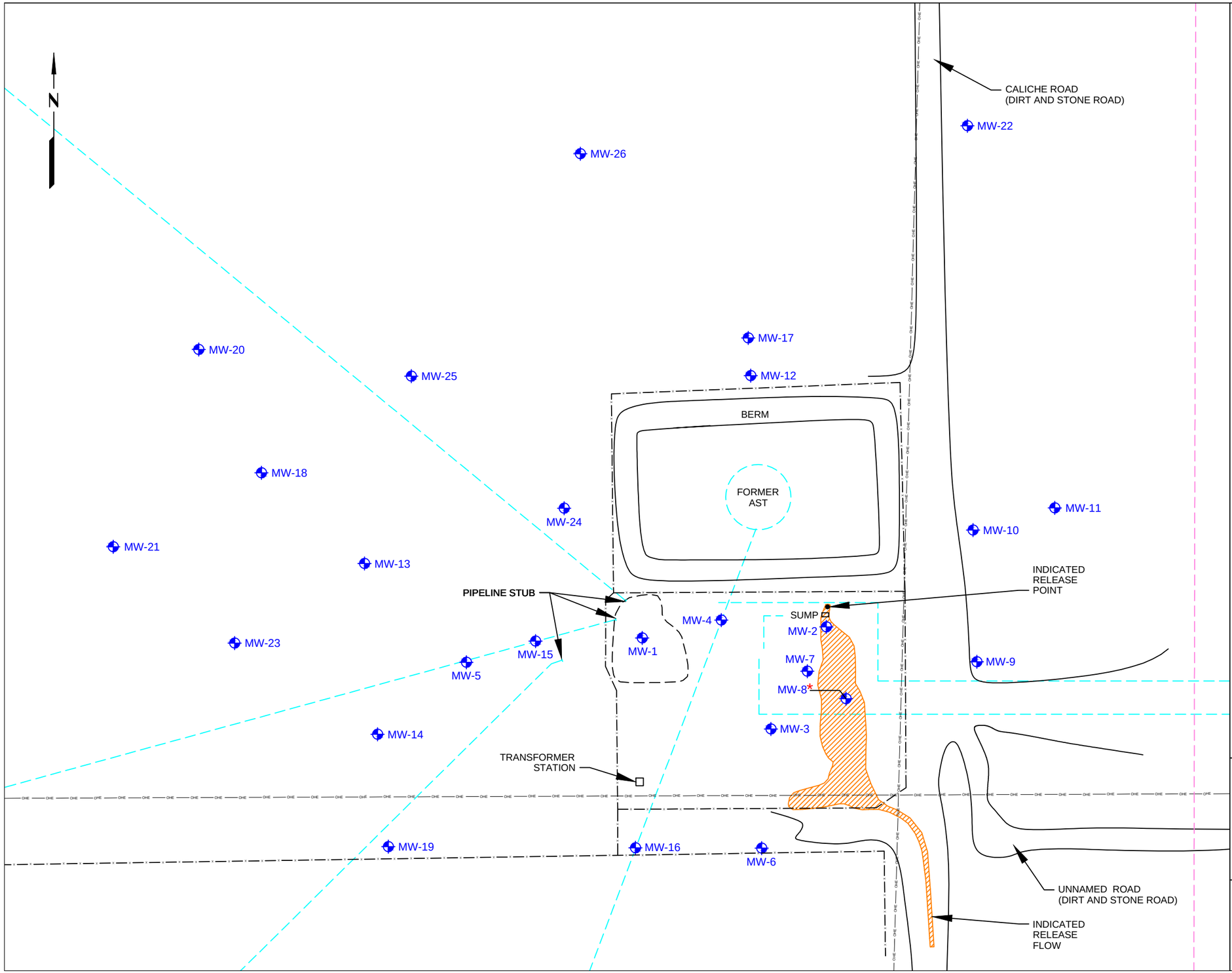
SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO.
3612
PLATE
1



EXPLANATION

- MW-26 — 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

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PROJECT NO. 3612

PLATE 2

DATE: 09/05/2017

N

CALICHE ROAD
(DIRT AND STONE ROAD)

MW-26
3829.12

MW-22
3828.84

MW-20
3829.53
NAPL=1.18'[a]

MW-25
3829.42
NAPL=1.88'[a]

MW-17
3829.16
NAPL=0.02'[a]

MW-12
3829.18
NAPL=0.49'[a]

BERM

FORMER
AST

MW-18
3829.62
NAPL=0.34'[a]

MW-24
3829.55
NAPL=1.80'[a]

MW-11
3827.52

MW-10
3829.13

MW-21
3829.73
NAPL=0.12'[a]

MW-13
3828.78
NAPL=0.07'[a]

PIPELINE STUB

MW-15
3829.84
NAPL=0.02'[a]

SUMP

MW-2
INACCESSIBLE

MW-4
3829.53
NAPL=0.60'[a]

MW-9
3829.26
NAPL=0.35'[a]

MW-23
3829.75
NAPL=0.11'[a]

MW-5
3829.66
NAPL=1.11'[a]

MW-1
3829.56
NAPL=0.41'[a]

MW-7
DRY

MW-8*

MW-14
3829.72
NAPL=3.44'[a]

MW-3
3829.52
NAPL=0.09'[a]

TRANSFORMER
STATION

MW-19
3829.75

MW-16
3829.82
NAPL=0.70'[a]

MW-6
3829.59

UNNAMED ROAD
(DIRT AND STONE ROAD)

3829.5
3829.0
3828.5

GROUNDWATER FLOW DIRECTION

EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83
NAPL=2.94'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
Note:	Well MW17 not used to generate elevation contours.
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
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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 05/22/2017

GLADIOLA STATION
Lea County, New Mexico

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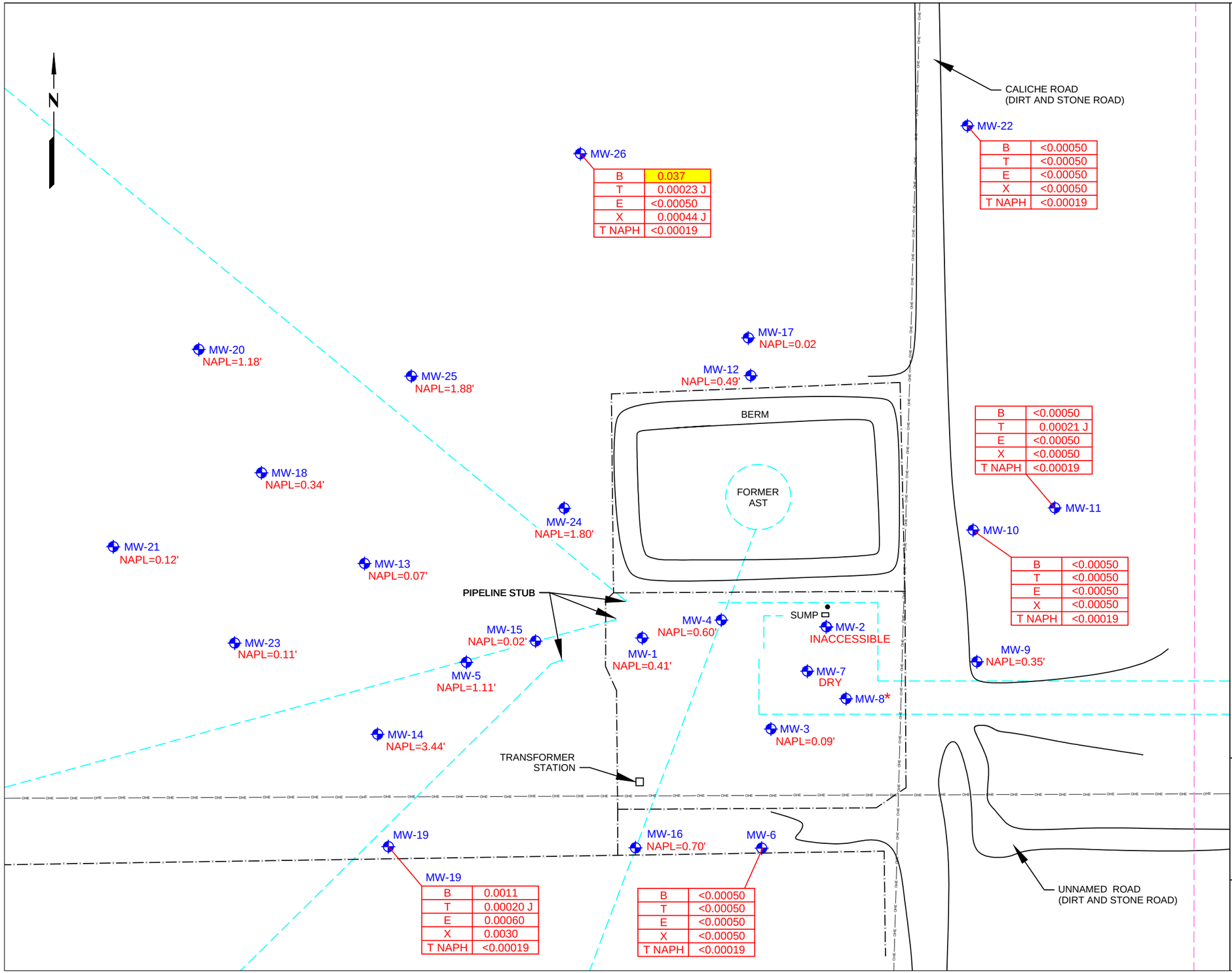
PROJECT NO. 3612

PLATE 3

DATE: 09/05/2017



EXPLANATION

MW-26	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Unable to sample due to silt in pump
NAPL=1.88'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
NS	Not sampled - unable to determine the presence of NAPL
J	Estimated value between method detection limit & practical quantitation limit
0.037	Analyte concentration exceeds NMWQCCHHS for groundwater of 10,000 milligrams per liter TDS concentration or less
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.
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APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER SAMPLE ANALYSES MAP 05/24/2017

GLADIOLA STATION
Lea County, New Mexico

Cardno
Shaping the Future

PROJECT NO. 3612

PLATE 4

DATE: 09/05/2017

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**					
05/22/17	3866.63	37.41	3829.56	0.41				
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**					
05/22/17	3869.40			No	Inaccessible - Stick-up well casing damaged.			
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**					
05/22/17	3865.25	35.80	3829.52	0.09				
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**					
05/22/17	3866.18	37.15	3829.53	0.60				
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**					
05/22/17	3868.54	39.80	3829.66	1.11				
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**					
05/22/17	3868.52	38.93	3829.59	No				
05/24/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**					
05/22/17	3865.67	Dry		No				
Field Point MW-8	**Well Screen Interval (feet):**		**23.05-38.05**					
05/22/17	3865.32			No	Unable to locate - Presumed destroyed.			
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**					
05/22/17	3869.82	40.85	3829.26	0.35				
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**					
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38			No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**					
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
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**					
05/22/17	3869.27	40.50	3829.18	0.49				
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**					
05/22/17	3868.63	39.91	3828.78	0.07				
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**					
05/22/17	3868.47	41.61	3829.72	3.44				
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**					
05/22/17	3868.74	38.92	3829.84	0.02				
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**					
05/22/17	3868.54	39.30	3829.82	0.70				
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**					
05/22/17	3869.14	40.00	3829.16	0.02				
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**					
05/22/17	3868.79	39.45	3829.62	0.34				
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**					
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
Field Point MW-20	**Well Screen Interval (feet):**		**29.50-44.50**					
05/22/17	3868.97	40.42	3829.53	1.18				
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**					
05/22/17	3868.89	39.26	3829.73	0.12				
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**					
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
Field Point MW-23	**Well Screen Interval (feet):**		**31.00-46.00**					
05/22/17	3869.08	39.42	3829.75	0.11				
Field Point MW-24	**Well Screen Interval (feet):**		**28.00-43.00**					
05/22/17	3867.88	39.82	3829.55	1.80				
Field Point MW-25	**Well Screen Interval (feet):**		**28.00-43.00**					
05/22/17	3868.99	41.13	3829.42	1.88				

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-26	**Well Screen Interval (feet):**	**30.00-45.00**						
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

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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**										
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
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**										
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
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**										
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
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**										
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
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**										
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
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**										
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

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**					
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**					
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**					
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**					
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-26	**Well Screen Interval (feet): 30.00-45.00**					
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

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.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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**									
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
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**									
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**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
05/24/17	0.0327	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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				
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			No	Inaccessible - Stick-up well casing damaged.			
12/07/15	3869.40			No	Inaccessible - Stick-up well casing damaged.			
04/26/16	3869.40			No	Inaccessible - Stick-up well casing damaged.			
10/24/16	3869.40			No	Inaccessible - Stick-up well casing damaged.			
05/22/17	3869.40			No	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				

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-3	**Well Screen Interval (feet):**	**24.20-44.20**						
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				
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				
05/22/17	3866.18	37.15	3829.53	0.60				
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**

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-5	**Well Screen Interval (feet):**	**27.19-47.19**						
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				
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
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			No	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
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				

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-7	**Well Screen Interval (feet):**	**24.35-39.35**						
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				
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			No	Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				
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			No	Unable to locate - Presumed destroyed.			
01/27/14	3865.32			No	Unable to locate - Presumed destroyed.			
06/17/14	3865.32			No	Unable to locate - Presumed destroyed.			
12/07/15	3865.32			No	Unable to locate - Presumed destroyed.			
04/26/16	3865.32			No	Unable to locate - Presumed destroyed.			
10/24/16	3865.32			No	Unable to locate - Presumed destroyed.			
05/22/17	3865.32			No	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

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-9	**Well Screen Interval (feet): 27.64-42.64**							
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				
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
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
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

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-11	**Well Screen Interval (feet):**	**29.00-44.00**						
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
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**
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				
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				
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

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**							
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
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				
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				
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				
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				
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				
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
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				

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**						
05/24/17	3868.75			No	0.0011	0.00020 J	0.00060	0.0030
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				
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
05/22/17	3868.89	39.26	3829.73	0.12				
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

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-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				
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				
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	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				
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

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 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

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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
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

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**												
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
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

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**													
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
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

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**										
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
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
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
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

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-12	**Well Screen Interval (feet): 30.00-45.00**												
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
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

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-14	**Well Screen Interval (feet): 27.00-42.00**												
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
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

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-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
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
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

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**											
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
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
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

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-21	**Well Screen Interval (feet): 29.50-44.50**												
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
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

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**												
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
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

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**												
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
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
08/19/09	0.0143 R1	0.00854 R1	0.0369 (c)	0.0578	0.0509	**0.1456**

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**					
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
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

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**					
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	<0.00019
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
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

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**					
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	<0.00019
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

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-11	**Well Screen Interval (feet): 29.00-44.00**					
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	
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
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**
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**

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-13	**Well Screen Interval (feet): 30.00-45.00**					
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**
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

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-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**
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**
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	
05/24/17	<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	<0.000485	<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

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-20	**Well Screen Interval (feet): 29.50-44.50**					
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
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	
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

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**					
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	
05/24/17	<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

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**					
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	
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point SB-1GW	**Grab Groundwater Sample**					
10/28/11	0.000452	<0.0000962	0.000115	0.000462	0.000144	0.000721
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.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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

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-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**
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**

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-10	**Well Screen Interval (feet):**		**28.08-43.08**									
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**
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**
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**

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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-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
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

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-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
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
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

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-19	**Well Screen Interval (feet):**		**27.00-42.00**									
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
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**
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

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-22	**Well Screen Interval (feet):**		**30.00-45.00**									
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
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
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

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-26	**Well Screen Interval (feet):**		**30.00-45.00**									
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
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.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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	
Field Point MW-10													
05/24/17													
Field Point MW-11													
05/24/17													
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	
Field Point MW-22													
05/24/17													
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

Notes: Data collected prior to December 8, 2015 provided by AECOM.
ELEV = Elevation.
GW = Groundwater.
NAPL = non-aqueous phase liquid (thickness measured in feet)
Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Bolded values equal or exceed applicable regulatory limits.
Well elevation, groundwater depth and groundwater elevation reported in feet.
Naphthalene is analyzed by EPA Method 8270C unless otherwise noted.
Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = total dissolved solids
X = pre-purge/no-purge sample
< = not detected at or above stated laboratory reporting limit
mg/l = milligrams per liter
NA = not applicable
BDL = below laboratory detection limits
D = duplicate sample
J = estimated value between method detection limit and practical quantitation limit
A-01 = could not obtain constant weight
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
(a) = analyed by EPA Method 8310
(b) = analyzed by EPA Method 8260B
(c) = analysis method unknown
(d) = unable to determine the presense of NAPL

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, NM	Project Name: Gladiola Station
Personnel: Vincent Nguyen & Dave Purdy	Project Number: 013612 2017
Gauging Instrument: Solinst	Date(s): Monday, 05/22/17

Well Number	Date	Time	Total Depth (ft)	Depth to Water (ft)	Depth to Product (ft)	Product Thickness	Remarks
MW-6	5/22/17	1323		38.93			2"
MW-10		1329	42.40	41.25			2"
MW-11		1332	48.00	40.54			4"
MW-22		1339	47.63	40.89			4"
MW-26		1347	45.30	39.86			2"
MW-21		1354		39.26	39.14	0.12	4"
MW-23		1400		39.42	39.31	0.11	2"
MW-19		1405	46.62	39.00	~~39.62~~		4"
★ MW-14		1408		41.61	38.17	3.44	4"
MW-5		1421		39.86	38.75	1.11	2"
MW-15		1435		38.92	38.90	0.02	4"
MW-24		1442		39.82	38.02	1.80	2"
MW-13		1503	39.91	~~38.54~~	39.84	0.07	4"
MW-18		1513		39.45	39.11	0.34	4"
MW-20		~~1521~~		40.42	39.24	1.18	4"
★ MW-25		1529		41.13	39.25	1.88	2"
MW-17		1539		~~39.40~~ 40.00	39.98	0.02	4"
MW-12		1542		40.50	40.01	0.49	4"
MW-9		1549		40.85	40.50	0.35	2"
MW-16		1555		39.30	38.60	0.70	4"
MW-1		1600		37.41	37.00	0.41	2"
MW-4		1604		37.15	36.55	0.6	2"
MW-7		1607					2" dry
MW-3		1611		35.80	35.71	0.09	2"

= wells to be sampled

★ = wells for product skimming pilot test

APPENDIX B
LABORATORY ANALYTICAL REPORT

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Supplemental Report 1

The original report has been revised/corrected.

WORK ORDER NUMBER: 17-05-2258

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For
Client: Cardno
Client Project Name: ExxonMobil Gladiola Station
Attention: David Purdy
25371 Commercentre Drive
Suite 250
Lake Forest, CA 92630-8806

Approved for release on 06/16/2017 by:
Cecile deGuia
Project Manager

ResultLink

Email your PM

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Client Project Name: ExxonMobil Gladiola Station
Work Order Number: 17-05-2258

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Work Order: 17-05-2258 Page 1 of 1

Work Order Narrative

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 05/30/17. They were assigned to Work Order 17-05-2258.

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

Holding Times:

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

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

Quality Control:

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

Subcontractor Information:

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

Additional Comments:

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

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

Please note that the samples were received at improper temperature. Temperature of the samples upon receipt were at 19.8°C and 20.1°C. Client was notified via email on May 30, 2017. Authorization to proceed with the analysis is attached.

Please note that the report has been amended to reflect the corrected units for EPA 8260B VOCs and EPA 8270C SIM PAHs methods. Per client's request, the required units for reporting should have been in mg/L.

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	PO Number:	4410488459
		Date/Time Received:	05/30/17 14:20
		Number of Containers:	69
Attn:	David Purdy		

Sample Summary

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
W-39-MW-6	17-05-2258-1	05/24/17 10:30	11	Aqueous
W-41-MW-10	17-05-2258-2	05/24/17 12:50	11	Aqueous
W-41-MW-11	17-05-2258-3	05/24/17 13:35	11	Aqueous
W-41-MW-22	17-05-2258-4	05/24/17 14:45	11	Aqueous
W-40-MW-26	17-05-2258-5	05/24/17 15:50	11	Aqueous
W-39-MW-19	17-05-2258-6	05/24/17 16:30	11	Aqueous
Trip Blank	17-05-2258-7	05/24/17 00:00	3	Aqueous

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: 1 (W-39-MW-6, Aqueous) Sampled: 05/24/17 10:30									
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	13		mg/L	0.27	1.0	1.00	05/31/17 14:59	EPA 300.0	170531L01
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)	482		mg/L	0.848	5.00	1.00	06/05/17 19:45	SM 2320B	H0605ALKB1
SM 2540 C Total Dissolved Solids (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.									
Solids, Total Dissolved	545		mg/L	0.870	1.00	1.00	05/31/17 10:00	SM 2540 C	H0531TDSL1
SM 4500-CL C Chloride (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.									
Chloride	4.6		mg/L	0.76	2.0	1.00	06/05/17 19:00	SM 4500-Cl C	H0605CLCL1
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	0.0273		mg/L	0.00438	0.0100	1.00	06/05/17 16:04	EPA 6010B	170601LA4
Barium	0.375		mg/L	0.00296	0.0100	1.00	06/05/17 16:04	EPA 6010B	170601LA4
Cadmium	ND		mg/L	0.00269	0.0100	1.00	06/05/17 16:04	EPA 6010B	170601LA4
Chromium	0.00788	J	mg/L	0.00271	0.0100	1.00	06/05/17 16:04	EPA 6010B	170601LA4
Lead	ND		mg/L	0.00406	0.0100	1.00	06/05/17 16:04	EPA 6010B	170601LA4
Selenium	ND		mg/L	0.00699	0.0150	1.00	06/05/17 16:04	EPA 6010B	170601LA4
Silver	ND		mg/L	0.00139	0.00500	1.00	06/05/17 16:04	EPA 6010B	170601LA4
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	0.000342		mg/L	0.0000453	0.000200	1.00	06/07/17 14:18	EPA 7470A	170607LA1L
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) 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.									
Naphthalene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
1-Methylnaphthalene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Acenaphthylene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Phenanthrene	ND		mg/L	0.000065	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02

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Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Fluoranthene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Pyrene	ND		mg/L	0.000069	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Benzo (a) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Chrysene	ND		mg/L	0.000064	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Benzo (k) Fluoranthene	ND		mg/L	0.000078	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Benzo (b) Fluoranthene	ND		mg/L	0.000083	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Benzo (a) Pyrene	ND		mg/L	0.000099	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000080	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000092	0.00019	1.00	06/01/17 16:33	EPA 8270C SIM PAHs	170531L02
Surr: Nitrobenzene-d5 (28-139%)	*96%*						*06/01/17 16:33*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: 2-Fluorobiphenyl (33-144%)	*87%*						*06/01/17 16:33*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: p-Terphenyl-d14 (23-160%)	*100%*						*06/01/17 16:33*	*EPA 8270C SIM PAHs*	*170531L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - D - 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	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Toluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Ethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
o-Xylene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
p/m-Xylene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Xylenes (total)	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2,4-Trimethylbenzene	0.00094		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	0.0021		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Acetone	0.0041	J	mg/L	0.0040	0.010	1.00	06/07/17 14:44	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 14:44	EPA 8260B	170607L009
Isopropylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
2-Butanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 14:44	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 14:44	EPA 8260B	170607L009
Naphthalene	ND		mg/L	0.00040	0.010	1.00	06/07/17 14:44	EPA 8260B	170607L009
n-Butylbenzene	0.00028	J	mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
n-Propylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
p-Isopropyltoluene	0.00031	J	mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
sec-Butylbenzene	0.00084		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
tert-Butylbenzene	0.00027	J	mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:44	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*94%*						*06/07/17 14:44*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*101%*						*06/07/17 14:44*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*110%*						*06/07/17 14:44*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*101%*						*06/07/17 14:44*	*EPA 8260B*	*170607L009*
Sample ID: 2 (W-41-MW-10, Aqueous) Sampled: 05/24/17 12:50									
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	69		mg/L	0.27	1.0	1.00	05/31/17 15:18	EPA 300.0	170531L01
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)	636		mg/L	0.848	5.00	1.00	06/05/17 19:45	SM 2320B	H0605ALKB1
SM 2540 C Total Dissolved Solids (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.									
Solids, Total Dissolved	1080		mg/L	0.870	10.0	1.00	05/31/17 10:00	SM 2540 C	H0531TDSL1
SM 4500-CL C Chloride (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.									
Chloride	130		mg/L	0.76	2.0	1.00	06/05/17 19:00	SM 4500-Cl C	H0605CLCL1
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	0.00638	J	mg/L	0.00438	0.0100	1.00	06/05/17 16:08	EPA 6010B	170601LA4
Barium	0.188		mg/L	0.00296	0.0100	1.00	06/05/17 16:08	EPA 6010B	170601LA4
Cadmium	ND		mg/L	0.00269	0.0100	1.00	06/05/17 16:08	EPA 6010B	170601LA4
Chromium	0.00742	J	mg/L	0.00271	0.0100	1.00	06/05/17 16:08	EPA 6010B	170601LA4
Lead	ND		mg/L	0.00406	0.0100	1.00	06/05/17 16:08	EPA 6010B	170601LA4
Selenium	ND		mg/L	0.00699	0.0150	1.00	06/05/17 16:08	EPA 6010B	170601LA4
Silver	0.00162	J	mg/L	0.00139	0.00500	1.00	06/05/17 16:08	EPA 6010B	170601LA4
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	0.00481		mg/L	0.0000453	0.000200	1.00	06/07/17 14:20	EPA 7470A	170607LA1L
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) 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.									
Naphthalene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

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	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
1-Methylnaphthalene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Acenaphthylene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Phenanthrene	ND		mg/L	0.000065	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Fluoranthene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Pyrene	ND		mg/L	0.000069	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Benzo (a) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Chrysene	ND		mg/L	0.000064	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Benzo (k) Fluoranthene	ND		mg/L	0.000078	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Benzo (b) Fluoranthene	ND		mg/L	0.000083	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Benzo (a) Pyrene	ND		mg/L	0.000099	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000080	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000092	0.00019	1.00	06/01/17 16:53	EPA 8270C SIM PAHs	170531L02
Surr: Nitrobenzene-d5 (28-139%)	*80%*						*06/01/17 16:53*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: 2-Fluorobiphenyl (33-144%)	*79%*						*06/01/17 16:53*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: p-Terphenyl-d14 (23-160%)	*89%*						*06/01/17 16:53*	*EPA 8270C SIM PAHs*	*170531L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - B - 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	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Toluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Ethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
o-Xylene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
p/m-Xylene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Xylenes (total)	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2,4-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Acetone	ND		mg/L	0.0040	0.010	1.00	06/07/17 12:05	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 12:05	EPA 8260B	170607L009
Isopropylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
2-Butanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 12:05	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 12:05	EPA 8260B	170607L009
Naphthalene	ND		mg/L	0.00040	0.010	1.00	06/07/17 12:05	EPA 8260B	170607L009
n-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
n-Propylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
p-Isopropyltoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
sec-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
tert-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 12:05	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*94%*						*06/07/17 12:05*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*98%*						*06/07/17 12:05*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*106%*						*06/07/17 12:05*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*101%*						*06/07/17 12:05*	*EPA 8260B*	*170607L009*

Sample ID: 3 (W-41-MW-11, Aqueous) Sampled: 05/24/17 13:35

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	120		mg/L	0.54	2.0	2.00	06/01/17 21:46	EPA 300.0	170601L01

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	0.848	5.00	1.00	06/05/17 19:45	SM 2320B	H0605ALKB1

SM 2540 C Total Dissolved Solids (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.

Solids, Total Dissolved	1100		mg/L	0.870	10.0	1.00	05/31/17 10:00	SM 2540 C	H0531TDSL1

SM 4500-CL C Chloride (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.

Chloride	220		mg/L	0.76	2.0	1.00	06/05/17 19:00	SM 4500-Cl C	H0605CLCL1

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	0.00968	J	mg/L	0.00438	0.0100	1.00	06/05/17 16:09	EPA 6010B	170601LA4
Barium	0.0387		mg/L	0.00296	0.0100	1.00	06/05/17 16:09	EPA 6010B	170601LA4
Cadmium	ND		mg/L	0.00269	0.0100	1.00	06/05/17 16:09	EPA 6010B	170601LA4

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Chromium	ND		mg/L	0.00271	0.0100	1.00	06/05/17 16:09	EPA 6010B	170601LA4
Lead	ND		mg/L	0.00406	0.0100	1.00	06/05/17 16:09	EPA 6010B	170601LA4
Selenium	ND		mg/L	0.00699	0.0150	1.00	06/05/17 16:09	EPA 6010B	170601LA4
Silver	ND		mg/L	0.00139	0.00500	1.00	06/05/17 16:09	EPA 6010B	170601LA4
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	06/07/17 14:22	EPA 7470A	170607LA1L
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) 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.									
Naphthalene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
1-Methylnaphthalene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Acenaphthylene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Phenanthrene	ND		mg/L	0.000065	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Fluoranthene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Pyrene	ND		mg/L	0.000069	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Benzo (a) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Chrysene	ND		mg/L	0.000064	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Benzo (k) Fluoranthene	ND		mg/L	0.000078	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Benzo (b) Fluoranthene	ND		mg/L	0.000083	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Benzo (a) Pyrene	ND		mg/L	0.000099	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000080	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000092	0.00019	1.00	06/01/17 17:13	EPA 8270C SIM PAHs	170531L02
Surr: Nitrobenzene-d5 (28-139%)	*86%*						*06/01/17 17:13*	*EPA 8270C SIM PAHs*	*170531L02*

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Surr: 2-Fluorobiphenyl (33-144%)	*83%*						*06/01/17 17:13*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: p-Terphenyl-d14 (23-160%)	*97%*						*06/01/17 17:13*	*EPA 8270C SIM PAHs*	*170531L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - B - 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	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Toluene	0.00021	J	mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Ethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
o-Xylene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
p/m-Xylene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Xylenes (total)	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2,4-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 15:15	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Acetone	ND		mg/L	0.0040	0.010	1.00	06/07/17 15:15	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 15:15	EPA 8260B	170607L009
Isopropylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
2-Butanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 15:15	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 15:15	EPA 8260B	170607L009
Naphthalene	ND		mg/L	0.00040	0.010	1.00	06/07/17 15:15	EPA 8260B	170607L009
n-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
n-Propylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
p-Isopropyltoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
sec-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
tert-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:15	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*93%*						*06/07/17 15:15*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*98%*						*06/07/17 15:15*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*107%*						*06/07/17 15:15*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*119%*						*06/07/17 15:15*	*EPA 8260B*	*170607L009*

Sample ID: 4 (W-41-MW-22, Aqueous) Sampled: 05/24/17 14:45

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	200		mg/L	1.3	5.0	5.00	06/01/17 22:05	EPA 300.0	170601L01

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
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	0.848	5.00	1.00	06/05/17 19:45	SM 2320B	H0605ALKB1
SM 2540 C Total Dissolved Solids (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.									
Solids, Total Dissolved	650		mg/L	0.870	1.00	1.00	05/31/17 10:00	SM 2540 C	H0531TDSL1
SM 4500-CL C Chloride (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.									
Chloride	32		mg/L	0.76	2.0	1.00	06/05/17 19:00	SM 4500-Cl C	H0605CLCL1
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	0.0141		mg/L	0.00438	0.0100	1.00	06/05/17 16:10	EPA 6010B	170601LA4
Barium	0.0199		mg/L	0.00296	0.0100	1.00	06/05/17 16:10	EPA 6010B	170601LA4
Cadmium	ND		mg/L	0.00269	0.0100	1.00	06/05/17 16:10	EPA 6010B	170601LA4
Chromium	ND		mg/L	0.00271	0.0100	1.00	06/05/17 16:10	EPA 6010B	170601LA4
Lead	ND		mg/L	0.00406	0.0100	1.00	06/05/17 16:10	EPA 6010B	170601LA4
Selenium	ND		mg/L	0.00699	0.0150	1.00	06/05/17 16:10	EPA 6010B	170601LA4
Silver	ND		mg/L	0.00139	0.00500	1.00	06/05/17 16:10	EPA 6010B	170601LA4
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	06/07/17 14:25	EPA 7470A	170607LA1L
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) 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.									
Naphthalene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
1-Methylnaphthalene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Acenaphthylene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Phenanthrene	ND		mg/L	0.000065	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Fluoranthene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Pyrene	ND		mg/L	0.000069	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Benzo (a) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Chrysene	ND		mg/L	0.000064	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Benzo (k) Fluoranthene	ND		mg/L	0.000078	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Benzo (b) Fluoranthene	ND		mg/L	0.000083	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Benzo (a) Pyrene	ND		mg/L	0.000099	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000080	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000092	0.00019	1.00	06/01/17 17:34	EPA 8270C SIM PAHs	170531L02
Surr: Nitrobenzene-d5 (28-139%)	*96%*						*06/01/17 17:34*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: 2-Fluorobiphenyl (33-144%)	*90%*						*06/01/17 17:34*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: p-Terphenyl-d14 (23-160%)	*108%*						*06/01/17 17:34*	*EPA 8270C SIM PAHs*	*170531L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - B - 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	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Toluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Ethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
o-Xylene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
p/m-Xylene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Xylenes (total)	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2,4-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Acetone	ND		mg/L	0.0040	0.010	1.00	06/07/17 15:47	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 15:47	EPA 8260B	170607L009
Isopropylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
2-Butanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 15:47	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 15:47	EPA 8260B	170607L009
Naphthalene	ND		mg/L	0.00040	0.010	1.00	06/07/17 15:47	EPA 8260B	170607L009
n-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
n-Propylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
p-Isopropyltoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
sec-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
tert-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 15:47	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*93%*						*06/07/17 15:47*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*103%*						*06/07/17 15:47*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*111%*						*06/07/17 15:47*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*101%*						*06/07/17 15:47*	*EPA 8260B*	*170607L009*
Sample ID: 5 (W-40-MW-26, Aqueous) Sampled: 05/24/17 15:50									
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	220		mg/L	1.3	5.0	5.00	06/01/17 22:24	EPA 300.0	170601L01
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)	317		mg/L	0.848	5.00	1.00	06/05/17 19:45	SM 2320B	H0605ALKB1
SM 2540 C Total Dissolved Solids (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.									
Solids, Total Dissolved	755		mg/L	0.870	1.00	1.00	05/31/17 10:00	SM 2540 C	H0531TDSL1
SM 4500-CL C Chloride (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.									
Chloride	28		mg/L	0.76	2.0	1.00	06/05/17 19:00	SM 4500-Cl C	H0605CLCL1
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	0.00438	0.0100	1.00	06/05/17 16:13	EPA 6010B	170601LA4
Barium	0.136		mg/L	0.00296	0.0100	1.00	06/05/17 16:13	EPA 6010B	170601LA4
Cadmium	ND		mg/L	0.00269	0.0100	1.00	06/05/17 16:13	EPA 6010B	170601LA4
Chromium	ND		mg/L	0.00271	0.0100	1.00	06/05/17 16:13	EPA 6010B	170601LA4
Lead	ND		mg/L	0.00406	0.0100	1.00	06/05/17 16:13	EPA 6010B	170601LA4
Selenium	ND		mg/L	0.00699	0.0150	1.00	06/05/17 16:13	EPA 6010B	170601LA4
Silver	ND		mg/L	0.00139	0.00500	1.00	06/05/17 16:13	EPA 6010B	170601LA4
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	0.000162	J	mg/L	0.0000453	0.000200	1.00	06/07/17 14:27	EPA 7470A	170607LA1L
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) 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.									
Naphthalene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
1-Methylnaphthalene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Acenaphthylene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Phenanthrene	ND		mg/L	0.000065	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Fluoranthene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Pyrene	ND		mg/L	0.000069	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Benzo (a) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Chrysene	ND		mg/L	0.000064	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Benzo (k) Fluoranthene	ND		mg/L	0.000078	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Benzo (b) Fluoranthene	ND		mg/L	0.000083	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Benzo (a) Pyrene	ND		mg/L	0.000099	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000080	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000092	0.00019	1.00	06/01/17 17:54	EPA 8270C SIM PAHs	170531L02
Surr: Nitrobenzene-d5 (28-139%)	*89%*						*06/01/17 17:54*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: 2-Fluorobiphenyl (33-144%)	*81%*						*06/01/17 17:54*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: p-Terphenyl-d14 (23-160%)	*94%*						*06/01/17 17:54*	*EPA 8270C SIM PAHs*	*170531L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - E - Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.037		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Toluene	0.00023	J	mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Ethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
o-Xylene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
p/m-Xylene	0.00044	J	mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Xylenes (total)	0.00044	JA	mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2,4-Trimethylbenzene	0.0014		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2-Dichloroethane	0.0011		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Acetone	ND		mg/L	0.0040	0.010	1.00	06/07/17 18:46	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 18:46	EPA 8260B	170607L009
Isopropylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
2-Butanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 18:46	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 18:46	EPA 8260B	170607L009
Naphthalene	0.00077	J	mg/L	0.00040	0.010	1.00	06/07/17 18:46	EPA 8260B	170607L009
n-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
n-Propylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
p-Isopropyltoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
sec-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
tert-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 18:46	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*94%*						*06/07/17 18:46*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*102%*						*06/07/17 18:46*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*109%*						*06/07/17 18:46*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*98%*						*06/07/17 18:46*	*EPA 8260B*	*170607L009*

Sample ID: 6 (W-39-MW-19, Aqueous) Sampled: 05/24/17 16:30

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	150		mg/L	0.54	2.0	2.00	06/01/17 22:42	EPA 300.0	170601L01

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)	342		mg/L	0.848	5.00	1.00	06/05/17 19:45	SM 2320B	H0605ALKB1

SM 2540 C Total Dissolved Solids (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.

Solids, Total Dissolved	620		mg/L	0.870	1.00	1.00	05/31/17 10:00	SM 2540 C	H0531TDSL1

SM 4500-CL C Chloride (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.

Chloride	25		mg/L	0.76	2.0	1.00	06/05/17 19:00	SM 4500-Cl C	H0605CLCL1

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	0.0327		mg/L	0.00438	0.0100	1.00	06/05/17 16:14	EPA 6010B	170601LA4
Barium	0.0496		mg/L	0.00296	0.0100	1.00	06/05/17 16:14	EPA 6010B	170601LA4
Cadmium	ND		mg/L	0.00269	0.0100	1.00	06/05/17 16:14	EPA 6010B	170601LA4
Chromium	ND		mg/L	0.00271	0.0100	1.00	06/05/17 16:14	EPA 6010B	170601LA4
Lead	ND		mg/L	0.00406	0.0100	1.00	06/05/17 16:14	EPA 6010B	170601LA4
Selenium	ND		mg/L	0.00699	0.0150	1.00	06/05/17 16:14	EPA 6010B	170601LA4
Silver	ND		mg/L	0.00139	0.00500	1.00	06/05/17 16:14	EPA 6010B	170601LA4

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
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	06/07/17 14:29	EPA 7470A	170607LA1L
EPA 8270C SIM PAHs (Extraction Method: EPA 3510C) 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.									
Naphthalene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
2-Methylnaphthalene	ND		mg/L	0.000073	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
1-Methylnaphthalene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Acenaphthylene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Acenaphthene	ND		mg/L	0.000059	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Fluorene	ND		mg/L	0.000071	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Phenanthrene	ND		mg/L	0.000065	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Anthracene	ND		mg/L	0.000066	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Fluoranthene	ND		mg/L	0.000072	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Pyrene	ND		mg/L	0.000069	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Benzo (a) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Chrysene	ND		mg/L	0.000064	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Benzo (k) Fluoranthene	ND		mg/L	0.000078	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Benzo (b) Fluoranthene	ND		mg/L	0.000083	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Benzo (a) Pyrene	ND		mg/L	0.000099	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	0.000080	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Dibenz (a,h) Anthracene	ND		mg/L	0.000075	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Benzo (g,h,i) Perylene	ND		mg/L	0.000092	0.00019	1.00	06/01/17 18:14	EPA 8270C SIM PAHs	170531L02
Surr: Nitrobenzene-d5 (28-139%)	*84%*						*06/01/17 18:14*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: 2-Fluorobiphenyl (33-144%)	*84%*						*06/01/17 18:14*	*EPA 8270C SIM PAHs*	*170531L02*
Surr: p-Terphenyl-d14 (23-160%)	*98%*						*06/01/17 18:14*	*EPA 8270C SIM PAHs*	*170531L02*
EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - B									

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
- Results were evaluated to the MDL (DL), concentrations >= to the MDL (DL) but < RL (LOQ), if found, are qualified with a "J" flag.									
Benzene	0.0011		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Toluene	0.00020	J	mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Ethylbenzene	0.00060		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
o-Xylene	0.0013		mg/L	0.00032	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
p/m-Xylene	0.0017		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Xylenes (total)	0.0030		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2,4-Trimethylbenzene	0.020		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	0.021		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Acetone	ND		mg/L	0.0040	0.010	1.00	06/07/17 16:19	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 16:19	EPA 8260B	170607L009
Isopropylbenzene	0.0068		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
2-Butanone	0.0045	J	mg/L	0.0020	0.0050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 16:19	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 16:19	EPA 8260B	170607L009
Naphthalene	0.0017	J	mg/L	0.00040	0.010	1.00	06/07/17 16:19	EPA 8260B	170607L009
n-Butylbenzene	0.0022		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
n-Propylbenzene	0.0037		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
p-Isopropyltoluene	0.0027		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
sec-Butylbenzene	0.0024		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
tert-Butylbenzene	0.00079		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 16:19	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*119%*						*06/07/17 16:19*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*107%*						*06/07/17 16:19*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*112%*						*06/07/17 16:19*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*101%*						*06/07/17 16:19*	*EPA 8260B*	*170607L009*

Sample ID: 7 (Trip Blank, Aqueous) Sampled: 05/24/17 00:00

EPA 8260B Volatile Organics (Extraction Method: EPA 5030C) Container - B
- 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	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Toluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Ethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
o-Xylene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
p/m-Xylene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Xylenes (total)	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	0.00020	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
1,1,1,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1,1-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1,2,2-Tetrachloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1,2-Trichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	0.00024	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1-Dichloroethene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,1-Dichloropropene	ND		mg/L	0.00030	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2,3-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2,3-Trichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2,4-Trichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2,4-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,3,5-Trimethylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
c-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2-Dibromo-3-Chloropropane	ND		mg/L	0.0020	0.0050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2-Dibromoethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2-Dichloroethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,2-Dichloropropane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
t-1,2-Dichloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
c-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,3-Dichlorobenzene	ND		mg/L	0.00028	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,3-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
t-1,3-Dichloropropene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
1,4-Dichlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
2,2-Dichloropropane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
2-Chlorotoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
4-Chlorotoluene	ND		mg/L	0.00036	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
4-Methyl-2-Pentanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Acetone	ND		mg/L	0.0040	0.010	1.00	06/07/17 14:12	EPA 8260B	170607L009
Bromobenzene	ND		mg/L	0.00032	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Bromochloromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
Bromoform	ND		mg/L	0.00025	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Bromomethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
Carbon Disulfide	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
Carbon Tetrachloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Chlorobenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Dibromochloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Chloroethane	ND		mg/L	0.00032	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Chloroform	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Chloromethane	ND		mg/L	0.00029	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Dibromomethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17
Attn:	David Purdy		

Analytical Report

Analyte	Result	Flag	Units	MDL	RL	Dilution Factor	Analysis Date/Time	Method	Batch
Bromodichloromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Dichlorodifluoromethane	ND		mg/L	0.00040	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
Hexachloro-1,3-Butadiene	ND		mg/L	0.00080	0.0020	1.00	06/07/17 14:12	EPA 8260B	170607L009
Isopropylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
2-Butanone	ND		mg/L	0.0020	0.0050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Methylene Chloride	ND		mg/L	0.00080	0.0010	1.00	06/07/17 14:12	EPA 8260B	170607L009
2-Hexanone	ND		mg/L	0.0040	0.010	1.00	06/07/17 14:12	EPA 8260B	170607L009
Naphthalene	ND		mg/L	0.00040	0.010	1.00	06/07/17 14:12	EPA 8260B	170607L009
n-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
n-Propylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
p-Isopropyltoluene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
sec-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Styrene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
tert-Butylbenzene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Tetrachloroethene	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Trichloroethene	ND		mg/L	0.00029	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Trichlorofluoromethane	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Vinyl Chloride	ND		mg/L	0.00020	0.00050	1.00	06/07/17 14:12	EPA 8260B	170607L009
Surr: 1,4-Bromofluorobenzene (68-120%)	*92%*						*06/07/17 14:12*	*EPA 8260B*	*170607L009*
Surr: Dibromofluoromethane (80-127%)	*103%*						*06/07/17 14:12*	*EPA 8260B*	*170607L009*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*111%*						*06/07/17 14:12*	*EPA 8260B*	*170607L009*
Surr: Toluene-d8 (80-120%)	*99%*						*06/07/17 14:12*	*EPA 8260B*	*170607L009*

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
EPA 300.0 Anions						
099-12-906-7632						
Sulfate	ND		mg/L	170531L01	099-12-906-7632	05/31/17 10:00
EPA 300.0 Anions						
099-12-906-7631						
Sulfate	ND		mg/L	170601L01	099-12-906-7631	06/01/17 15:04
SM 2320B Alkalinity						
099-15-859-1235						
Alkalinity, Total (as CaCO3)	ND		mg/L	H0605ALKB1	099-15-859-1235	06/05/17 20:50
SM 2540 C Total Dissolved Solids						
099-12-180-5608						
Solids, Total Dissolved	ND		mg/L	H0531TDSL1	099-12-180-5608	05/31/17 10:00
SM 4500-CL C Chloride						
099-05-057-2187						
Chloride	ND		mg/L	H0605CLCL1	099-05-057-2187	06/05/17 19:00
EPA 6010B ICP Metals						
097-01-003-16483						
Arsenic	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
Barium	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
Cadmium	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
Chromium	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
Lead	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
Selenium	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
Silver	ND		mg/L	170601LA4	097-01-003-16483	06/05/17 15:35
EPA 7470A Mercury						
099-12-457-375						
Mercury	ND		mg/L	170607LA1L	099-12-457-375	06/07/17 13:50
EPA 8270C SIM PAHs						
099-06-008-973						
Naphthalene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
2-Methylnaphthalene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
1-Methylnaphthalene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Acenaphthylene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Acenaphthene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Fluorene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Phenanthrene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Anthracene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Fluoranthene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12

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The difference is service

Client: Cardno
25371 Commercentre Drive, Suite 250
Lake Forest, CA 92630-8806

Attn: David Purdy

Work Order: 17-05-2258
Project Name: ExxonMobil Gladiola Station
Date Received: 05/30/17

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
Pyrene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Benzo (a) Anthracene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Chrysene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Benzo (k) Fluoranthene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Benzo (b) Fluoranthene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Benzo (a) Pyrene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Indeno (1,2,3-c,d) Pyrene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Dibenz (a,h) Anthracene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Benzo (g,h,i) Perylene	ND		mg/L	170531L02	099-06-008-973	06/01/17 15:12
Surr: Nitrobenzene-d5 (28-139%)	*101%*			*170531L02*	*099-06-008-973*	*06/01/17 15:12*
Surr: 2-Fluorobiphenyl (33-144%)	*88%*			*170531L02*	*099-06-008-973*	*06/01/17 15:12*
Surr: p-Terphenyl-d14 (23-160%)	*113%*			*170531L02*	*099-06-008-973*	*06/01/17 15:12*
EPA 8260B Volatile Organics						
099-12-878-697						
Benzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Toluene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Ethylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
o-Xylene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
p/m-Xylene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Xylenes (total)	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Methyl-t-Butyl Ether (MTBE)	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1,1,2-Tetrachloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1,1-Trichloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1,2,2-Tetrachloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1,2-Trichloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1-Dichloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1-Dichloroethene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,1-Dichloropropene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2,3-Trichlorobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2,3-Trichloropropane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2,4-Trichlorobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2,4-Trimethylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,3,5-Trimethylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
c-1,2-Dichloroethene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2-Dibromo-3-Chloropropane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2-Dibromoethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2-Dichlorobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2-Dichloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,2-Dichloropropane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17
Attn:	David Purdy		

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Qualifiers	Units	QC Batch	Lab Number	Analysis Date/Time
t-1,2-Dichloroethene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
c-1,3-Dichloropropene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,3-Dichlorobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,3-Dichloropropane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
t-1,3-Dichloropropene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
1,4-Dichlorobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
2,2-Dichloropropane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
2-Chlorotoluene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
4-Chlorotoluene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
4-Methyl-2-Pentanone	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Acetone	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Bromobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Bromochloromethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Bromoform	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Bromomethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Carbon Disulfide	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Carbon Tetrachloride	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Chlorobenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Dibromochloromethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Chloroethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Chloroform	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Chloromethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Dibromomethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Bromodichloromethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Dichlorodifluoromethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Hexachloro-1,3-Butadiene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Isopropylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
2-Butanone	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Methylene Chloride	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
2-Hexanone	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Naphthalene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
n-Butylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
n-Propylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
p-Isopropyltoluene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
sec-Butylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Styrene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
tert-Butylbenzene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Tetrachloroethene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Trichloroethene	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Trichlorofluoromethane	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31
Vinyl Chloride	ND		mg/L	170607L009	099-12-878-697	06/07/17 11:31

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17
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%)	*93%*			*170607L009*	*099-12-878-697*	*06/07/17 11:31*
Surr: Dibromofluoromethane (80-127%)	*103%*			*170607L009*	*099-12-878-697*	*06/07/17 11:31*
Surr: 1,2-Dichloroethane-d4 (80-128%)	*111%*			*170607L009*	*099-12-878-697*	*06/07/17 11:31*
Surr: Toluene-d8 (80-120%)	*101%*			*170607L009*	*099-12-878-697*	*06/07/17 11:31*

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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										
17-05-2258-1										
Sulfate	13.08	55.45		mg/L	50.00	85	80-120	170531S01	17-05-2258-1	05/31/17 17:30
EPA 300.0 Anions										
17-05-2363-7										
Sulfate	386.4	537.5	HX	mg/L	50.00	302	80-120	170601S01	17-05-2363-7	06/01/17 19:10
SM 4500-CL C Chloride										
17-05-2371-4										
Chloride	146.6	246.0		mg/L	100.0	99	80-120	H0605CLCS1	17-05-2371-4	06/05/17 19:00
EPA 6010B ICP Metals										
17-05-2258-1										
Arsenic	0.02734	0.5826		mg/L	0.5000	111	80-140	170601SA4	17-05-2258-1	06/05/17 16:05
Barium	0.3748	0.9433		mg/L	0.5000	114	87-123	170601SA4	17-05-2258-1	06/05/17 16:05
Cadmium	ND	0.5254		mg/L	0.5000	105	82-124	170601SA4	17-05-2258-1	06/05/17 16:05
Chromium	ND	0.5354		mg/L	0.5000	107	86-122	170601SA4	17-05-2258-1	06/05/17 16:05
Lead	ND	0.5301		mg/L	0.5000	106	84-120	170601SA4	17-05-2258-1	06/05/17 16:05
Selenium	ND	0.5318		mg/L	0.5000	106	79-127	170601SA4	17-05-2258-1	06/05/17 16:05
Silver	ND	0.2671		mg/L	0.2500	107	86-128	170601SA4	17-05-2258-1	06/05/17 16:05
EPA 7470A Mercury										
17-06-0090-2										
Mercury	ND	0.009271		mg/L	0.01000	93	55-133	170607SA1	17-06-0090-2	06/07/17 15:49
EPA 8260B Volatile Organics										
17-05-2258-2										
Benzene	ND	0.01086		mg/L	0.01000	109	75-125	170607S005	17-05-2258-2	06/07/17 12:37
Toluene	ND	0.01093		mg/L	0.01000	109	75-125	170607S005	17-05-2258-2	06/07/17 12:37
Ethylbenzene	ND	0.01125		mg/L	0.01000	113	75-125	170607S005	17-05-2258-2	06/07/17 12:37
o-Xylene	ND	0.01120		mg/L	0.01000	112	75-127	170607S005	17-05-2258-2	06/07/17 12:37
p/m-Xylene	ND	0.02224		mg/L	0.02000	111	75-125	170607S005	17-05-2258-2	06/07/17 12:37
Methyl-t-Butyl Ether (MTBE)	ND	0.009267		mg/L	0.01000	93	71-131	170607S005	17-05-2258-2	06/07/17 12:37
1,1-Dichloroethene	ND	0.009734		mg/L	0.01000	97	66-126	170607S005	17-05-2258-2	06/07/17 12:37
1,2-Dibromoethane	ND	0.01128		mg/L	0.01000	113	75-126	170607S005	17-05-2258-2	06/07/17 12:37
1,2-Dichlorobenzene	ND	0.01064		mg/L	0.01000	106	75-125	170607S005	17-05-2258-2	06/07/17 12:37
1,2-Dichloroethane	ND	0.01108		mg/L	0.01000	111	75-127	170607S005	17-05-2258-2	06/07/17 12:37
Carbon Tetrachloride	ND	0.01020		mg/L	0.01000	102	69-135	170607S005	17-05-2258-2	06/07/17 12:37
Chlorobenzene	ND	0.01076		mg/L	0.01000	108	75-125	170607S005	17-05-2258-2	06/07/17 12:37
Trichloroethene	ND	0.01100		mg/L	0.01000	110	75-125	170607S005	17-05-2258-2	06/07/17 12:37
Vinyl Chloride	ND	0.008478		mg/L	0.01000	85	52-142	170607S005	17-05-2258-2	06/07/17 12:37

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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												
17-05-2258-1												
Sulfate	13.08	57.09		mg/L	50.00	88	80-120	3	0-20	170531S01	17-05-2258-1	05/31/17 17:49
EPA 300.0 Anions												
17-05-2363-7												
Sulfate	386.4	537.7	HX	mg/L	50.00	303	80-120	0	0-20	170601S01	17-05-2363-7	06/01/17 19:29
SM 4500-CL C Chloride												
17-05-2371-4												
Chloride	146.6	245.5		mg/L	100.0	99	80-120	0	0-25	H0605CLCS 1	17-05-2371-4	06/05/17 19:00
EPA 6010B ICP Metals												
17-05-2258-1												
Arsenic	0.02734	0.5762		mg/L	0.5000	110	80-140	1	0-11	170601SA4	17-05-2258-1	06/05/17 16:06
Barium	0.3748	0.9330		mg/L	0.5000	112	87-123	1	0-6	170601SA4	17-05-2258-1	06/05/17 16:06
Cadmium	ND	0.5208		mg/L	0.5000	104	82-124	1	0-7	170601SA4	17-05-2258-1	06/05/17 16:06
Chromium	ND	0.5318		mg/L	0.5000	106	86-122	1	0-8	170601SA4	17-05-2258-1	06/05/17 16:06
Lead	ND	0.5194		mg/L	0.5000	104	84-120	2	0-7	170601SA4	17-05-2258-1	06/05/17 16:06
Selenium	ND	0.5239		mg/L	0.5000	105	79-127	1	0-9	170601SA4	17-05-2258-1	06/05/17 16:06
Silver	ND	0.2629		mg/L	0.2500	105	86-128	2	0-7	170601SA4	17-05-2258-1	06/05/17 16:06
EPA 7470A Mercury												
17-06-0090-2												
Mercury	ND	0.009056		mg/L	0.01000	91	55-133	2	0-20	170607SA1	17-06-0090-2	06/07/17 15:51
EPA 8260B Volatile Organics												
17-05-2258-2												
Benzene	ND	0.01108		mg/L	0.01000	111	75-125	2	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Toluene	ND	0.01099		mg/L	0.01000	110	75-125	1	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Ethylbenzene	ND	0.01122		mg/L	0.01000	112	75-125	0	0-20	170607S005	17-05-2258-2	06/07/17 13:09
o-Xylene	ND	0.01118		mg/L	0.01000	112	75-127	0	0-20	170607S005	17-05-2258-2	06/07/17 13:09
p/m-Xylene	ND	0.02201		mg/L	0.02000	110	75-125	1	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Methyl-t-Butyl Ether (MTBE)	ND	0.008696		mg/L	0.01000	87	71-131	6	0-20	170607S005	17-05-2258-2	06/07/17 13:09
1,1-Dichloroethene	ND	0.01005		mg/L	0.01000	100	66-126	3	0-20	170607S005	17-05-2258-2	06/07/17 13:09
1,2-Dibromoethane	ND	0.01184		mg/L	0.01000	118	75-126	5	0-20	170607S005	17-05-2258-2	06/07/17 13:09
1,2-Dichlorobenzene	ND	0.01083		mg/L	0.01000	108	75-125	2	0-20	170607S005	17-05-2258-2	06/07/17 13:09
1,2-Dichloroethane	ND	0.01134		mg/L	0.01000	113	75-127	2	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Carbon Tetrachloride	ND	0.01051		mg/L	0.01000	105	69-135	3	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Chlorobenzene	ND	0.01073		mg/L	0.01000	107	75-125	0	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Trichloroethene	ND	0.01121		mg/L	0.01000	112	75-125	2	0-20	170607S005	17-05-2258-2	06/07/17 13:09
Vinyl Chloride	ND	0.009148		mg/L	0.01000	91	52-142	8	0-20	170607S005	17-05-2258-2	06/07/17 13:09

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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										
17-05-2258-1										
Arsenic	0.02734	0.5648		mg/L	0.5000	107	75-125	170601SA4	17-05-2258-1	06/05/17 16:06
Barium	0.3748	0.9101		mg/L	0.5000	107	75-125	170601SA4	17-05-2258-1	06/05/17 16:06
Cadmium	ND	0.5013		mg/L	0.5000	100	75-125	170601SA4	17-05-2258-1	06/05/17 16:06
Chromium	ND	0.5179		mg/L	0.5000	104	75-125	170601SA4	17-05-2258-1	06/05/17 16:06
Lead	ND	0.5054		mg/L	0.5000	101	75-125	170601SA4	17-05-2258-1	06/05/17 16:06
Selenium	ND	0.5257		mg/L	0.5000	105	75-125	170601SA4	17-05-2258-1	06/05/17 16:06
Silver	ND	0.2261		mg/L	0.2500	90	75-125	170601SA4	17-05-2258-1	06/05/17 16:06

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Qual: Qualifiers

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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												
17-05-2258-1												
Arsenic	0.02734	0.5548		mg/L	0.5000	105	75-125	2	0-20	170601SA4	17-05-2258-1	06/05/17 16:07
Barium	0.3748	0.9201		mg/L	0.5000	109	75-125	1	0-20	170601SA4	17-05-2258-1	06/05/17 16:07
Cadmium	ND	0.5041		mg/L	0.5000	101	75-125	1	0-20	170601SA4	17-05-2258-1	06/05/17 16:07
Chromium	ND	0.5165		mg/L	0.5000	103	75-125	0	0-20	170601SA4	17-05-2258-1	06/05/17 16:07
Lead	ND	0.5000		mg/L	0.5000	100	75-125	1	0-20	170601SA4	17-05-2258-1	06/05/17 16:07
Selenium	ND	0.5198		mg/L	0.5000	104	75-125	1	0-20	170601SA4	17-05-2258-1	06/05/17 16:07
Silver	ND	0.2263		mg/L	0.2500	91	75-125	0	0-20	170601SA4	17-05-2258-1	06/05/17 16:07

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Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

QUALITY CONTROL
Sample Duplicate

Analyte	Orig. Val.	Duplicate	Qual.	Units	RPD	Limit	Batch	Sample Duplicated	Analysis Date/Time
SM 2320B Alkalinity									
17-06-0356-5									
Alkalinity, Total (as CaCO3)	358.0	362.0		mg/L	1	0-25	H0605ALKD1	17-06-0356-5	06/05/17 19:45
SM 2540 C Total Dissolved Solids									
17-05-2272-1									
Solids, Total Dissolved	74920	74980		mg/L	0	0-20	H0531TDSD2	17-05-2272-1	05/31/17 10:00

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RPD: Relative Percent Difference.

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

PROJECT QUALITY CONTROL DATA
Laboratory Control Sample

Analyte	Known Val.	Analyzed	Qual.	Units	% Rec.	Target Range	Batch	Analysis Date/Time
EPA 300.0 Anions								
099-12-906-7632								
Sulfate	50.00	49.81		mg/L	100	90-110	170531L01	05/31/17 10:19
EPA 300.0 Anions								
099-12-906-7631								
Sulfate	50.00	51.08		mg/L	102	90-110	170601L01	06/01/17 15:23
SM 2320B Alkalinity								
099-15-859-1235								
Alkalinity, Total (as CaCO3)	100.0	98.00		mg/L	98	80-120	H0605ALKB1	06/05/17 20:50
SM 2540 C Total Dissolved Solids								
099-12-180-5608								
Solids, Total Dissolved	100.0	95.00		mg/L	95	80-120	H0531TDSL1	05/31/17 10:00
SM 4500-CL C Chloride								
099-05-057-2187								
Chloride	100.0	100.1		mg/L	100	80-120	H0605CLCL1	06/05/17 19:00
EPA 6010B ICP Metals								
097-01-003-16483								
Arsenic	0.5000	0.4854		mg/L	97	80-120	170601LA4	06/05/17 15:36
Barium	0.5000	0.5315		mg/L	106	80-120	170601LA4	06/05/17 15:36
Cadmium	0.5000	0.5085		mg/L	102	80-120	170601LA4	06/05/17 15:36
Chromium	0.5000	0.5080		mg/L	102	80-120	170601LA4	06/05/17 15:36
Lead	0.5000	0.5110		mg/L	102	80-120	170601LA4	06/05/17 15:36
Selenium	0.5000	0.4823		mg/L	96	80-120	170601LA4	06/05/17 15:36
Silver	0.2500	0.2279		mg/L	91	80-120	170601LA4	06/05/17 15:36
EPA 7470A Mercury								
099-12-457-375								
Mercury	0.01000	0.01105		mg/L	110	80-120	170607LA1L	06/07/17 13:53
EPA 8270C SIM PAHs								
099-06-008-973								
Naphthalene	0.002000	0.001662		mg/L	83	21-133	170531L02	06/01/17 15:32
2-Methylnaphthalene	0.002000	0.001886		mg/L	94	21-140	170531L02	06/01/17 15:32
1-Methylnaphthalene	0.002000	0.001714		mg/L	86	20-140	170531L02	06/01/17 15:32
Acenaphthylene	0.002000	0.001695		mg/L	85	33-145	170531L02	06/01/17 15:32
Acenaphthene	0.002000	0.001732		mg/L	87	55-121	170531L02	06/01/17 15:32
Fluorene	0.002000	0.001737		mg/L	87	59-121	170531L02	06/01/17 15:32
Phenanthrene	0.002000	0.001839		mg/L	92	54-120	170531L02	06/01/17 15:32
Anthracene	0.002000	0.001764		mg/L	88	27-133	170531L02	06/01/17 15:32
Fluoranthene	0.002000	0.001878		mg/L	94	26-137	170531L02	06/01/17 15:32
Pyrene	0.002000	0.001940		mg/L	97	45-129	170531L02	06/01/17 15:32

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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	0.001852		mg/L	93	33-143	170531L02	06/01/17 15:32
Chrysene	0.002000	0.001766		mg/L	88	17-168	170531L02	06/01/17 15:32
Benzo (k) Fluoranthene	0.002000	0.001773		mg/L	89	24-159	170531L02	06/01/17 15:32
Benzo (b) Fluoranthene	0.002000	0.001799		mg/L	90	24-159	170531L02	06/01/17 15:32
Benzo (a) Pyrene	0.002000	0.001818		mg/L	91	17-163	170531L02	06/01/17 15:32
Indeno (1,2,3-c,d) Pyrene	0.002000	0.001698		mg/L	85	25-175	170531L02	06/01/17 15:32
Dibenz (a,h) Anthracene	0.002000	0.001512		mg/L	76	25-175	170531L02	06/01/17 15:32
Benzo (g,h,i) Perylene	0.002000	0.001809		mg/L	90	25-157	170531L02	06/01/17 15:32

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
099-12-878-697

Benzene	0.01000	0.01014		mg/L	101	80-120	170607L009	06/07/17 10:27
Toluene	0.01000	0.01029		mg/L	103	80-120	170607L009	06/07/17 10:27
Ethylbenzene	0.01000	0.01035		mg/L	103	80-120	170607L009	06/07/17 10:27
o-Xylene	0.01000	0.01050		mg/L	105	80-120	170607L009	06/07/17 10:27
p/m-Xylene	0.02000	0.02054		mg/L	103	80-120	170607L009	06/07/17 10:27
Methyl-t-Butyl Ether (MTBE)	0.01000	0.008257		mg/L	83	75-123	170607L009	06/07/17 10:27
1,1-Dichloroethene	0.01000	0.008782		mg/L	88	77-120	170607L009	06/07/17 10:27
1,2-Dibromoethane	0.01000	0.01109		mg/L	111	80-120	170607L009	06/07/17 10:27
1,2-Dichlorobenzene	0.01000	0.01035		mg/L	103	80-120	170607L009	06/07/17 10:27
1,2-Dichloroethane	0.01000	0.01069		mg/L	107	80-122	170607L009	06/07/17 10:27
Carbon Tetrachloride	0.01000	0.009646		mg/L	96	80-129	170607L009	06/07/17 10:27
Chlorobenzene	0.01000	0.01010		mg/L	101	80-120	170607L009	06/07/17 10:27
Trichloroethene	0.01000	0.01028		mg/L	103	80-120	170607L009	06/07/17 10:27
Vinyl Chloride	0.01000	0.008401		mg/L	84	63-135	170607L009	06/07/17 10:27

Total number of LCS compounds: 14
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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											
099-12-906-7632											
Sulfate	50.00	49.93		mg/L	100	90-110	0	0-15	170531L01	099-12-906-7632	05/31/17 10:48
EPA 300.0 Anions											
099-12-906-7631											
Sulfate	50.00	51.04		mg/L	102	90-110	0	0-15	170601L01	099-12-906-7631	06/01/17 15:42
SM 2320B Alkalinity											
099-15-859-1235											
Alkalinity, Total (as CaCO3)	100.0	99.00		mg/L	99	80-120	1	0-20	H0605ALKB1	099-15-859-1235	06/05/17 20:50
SM 2540 C Total Dissolved Solids											
099-12-180-5608											
Solids, Total Dissolved	100.0	90.00		mg/L	90	80-120	5	0-20	H0531TDSL1	099-12-180-5608	05/31/17 10:00
SM 4500-CL C Chloride											
099-05-057-2187											
Chloride	100.0	99.57		mg/L	100	80-120	1	0-20	H0605CLCL1	099-05-057-2187	06/05/17 19:00
EPA 8270C SIM PAHs											
099-06-008-973											
Naphthalene	0.002000	0.001762		mg/L	88	21-133	6	0-25	170531L02	099-06-008-973	06/01/17 15:53
2-Methylnaphthalene	0.002000	0.002001		mg/L	100	21-140	6	0-25	170531L02	099-06-008-973	06/01/17 15:53
1-Methylnaphthalene	0.002000	0.001819		mg/L	91	20-140	6	0-25	170531L02	099-06-008-973	06/01/17 15:53
Acenaphthylene	0.002000	0.001774		mg/L	89	33-145	5	0-25	170531L02	099-06-008-973	06/01/17 15:53
Acenaphthene	0.002000	0.001870		mg/L	93	55-121	8	0-25	170531L02	099-06-008-973	06/01/17 15:53
Fluorene	0.002000	0.001890		mg/L	94	59-121	8	0-25	170531L02	099-06-008-973	06/01/17 15:53
Phenanthrene	0.002000	0.002014		mg/L	101	54-120	9	0-25	170531L02	099-06-008-973	06/01/17 15:53
Anthracene	0.002000	0.001847		mg/L	92	27-133	5	0-25	170531L02	099-06-008-973	06/01/17 15:53
Fluoranthene	0.002000	0.002040		mg/L	102	26-137	8	0-25	170531L02	099-06-008-973	06/01/17 15:53
Pyrene	0.002000	0.002031		mg/L	102	45-129	5	0-25	170531L02	099-06-008-973	06/01/17 15:53
Benzo (a) Anthracene	0.002000	0.001961		mg/L	98	33-143	6	0-25	170531L02	099-06-008-973	06/01/17 15:53
Chrysene	0.002000	0.001878		mg/L	94	17-168	6	0-25	170531L02	099-06-008-973	06/01/17 15:53
Benzo (k) Fluoranthene	0.002000	0.001835		mg/L	92	24-159	3	0-25	170531L02	099-06-008-973	06/01/17 15:53

Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Client:	Cardno	Work Order:	17-05-2258
	25371 Commercentre Drive, Suite 250	Project Name:	ExxonMobil Gladiola Station
	Lake Forest, CA 92630-8806	Date Received:	05/30/17

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 (b) Fluoranthene	0.002000	0.002011		mg/L	101	24-159	11	0-25	170531L02	099-06-008-973	06/01/17 15:53
Benzo (a) Pyrene	0.002000	0.001898		mg/L	95	17-163	4	0-25	170531L02	099-06-008-973	06/01/17 15:53
Indeno (1,2,3-c,d) Pyrene	0.002000	0.001845		mg/L	92	25-175	8	0-25	170531L02	099-06-008-973	06/01/17 15:53
Dibenz (a,h) Anthracene	0.002000	0.001690		mg/L	84	25-175	11	0-25	170531L02	099-06-008-973	06/01/17 15:53
Benzo (g,h,i) Perylene	0.002000	0.001956		mg/L	98	25-157	8	0-25	170531L02	099-06-008-973	06/01/17 15:53

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

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Qual - Qualifiers RPD: Relative Percent Difference

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The difference is service

Work Order: 17-05-2258 Page 1 of 1

Sample Analysis Summary Report

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 300.0	N/A	834	IC 10	1
EPA 300.0	N/A	1027	IC 10	1
EPA 6010B	EPA 3010A Total	935	ICP 7300	1
EPA 7470A	EPA 7470A Total	868	Mercury 07	1
EPA 8260B	EPA 5030C	996	GC/MS UU	2
EPA 8270C SIM PAHs	EPA 3510C	907	GC/MS EEE	1
SM 2320B	N/A	650	PH1/BUR03	1
SM 2540 C	N/A	1050	N/A	1
SM 4500-Cl C	N/A	1068	BUR02	1

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The difference is service

Work Order: 17-05-2258 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.

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Jonathan Diaz

From: Christine Capwell <christine.capwell@cardno.com>
Sent: Friday, June 16, 2017 11:36 AM
To: Jonathan Diaz
Cc: David Purdy; labs01; Cecile L de Guia
Subject: RE: ExxonMobil Gladiola Station / ECI 17-05-2258

Yes, 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

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From: Jonathan Diaz [mailto:JonathanDiaz@eurofinsUS.com]
Sent: Friday, June 16, 2017 11:30 AM
To: Christine Capwell <christine.capwell@cardno.com>
Cc: David Purdy <dave.purdy@cardno.com>; labs01 <labs01@cardno.com>; Cecile L de Guia <CecileLdeGuia@eurofinsUS.com>
Subject: FW: ExxonMobil Gladiola Station / ECI 17-05-2258

Christine,

EPA 8270C SIM PAHs as well?

Thank you,
Jonathan

(714) 895-5494

From: Christine Capwell [mailto:christine.capwell@cardno.com]
Sent: Friday, June 16, 2017 10:13 AM
To: Jonathan Diaz; David Purdy
Cc: labs01
Subject: RE: ExxonMobil Gladiola Station / ECI 17-05-2258

Hi Jonathan,

Can you reissue the lab with the VOCs in mg/L?

Thanks!

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: Jonathan Diaz [mailto:JonathanDiaz@eurofinsUS.com]
Sent: Tuesday, June 13, 2017 4:39 PM
To: David Purdy <dave.purdy@cardno.com>
Cc: labs01 <labs01@cardno.com>
Subject: ExxonMobil Gladiola Station / ECI 17-05-2258

Analytical report & EDD for the above project is attached.

Thank you,
Jonathan

(714) 895-5494

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Cecile L de Guia

From: Vincent Nguyen <Vincent.Nguyen@cardno.com>
Sent: Tuesday, May 30, 2017 2:33 PM
To: Cecile L de Guia
Cc: David Purdy; Jonathan Diaz
Subject: RE: Gladiola Station samples

Hi Cecile,

Per Dave's request, we are okay to run the sample analyses for those samples.

Vincent Nguyen
ENVIRONMENTAL SCIENTIST I
CARDNO

Direct +1 949 457 8950
Address 25371 Commercentre Drive, Suite 250, Lake Forest, CA 92630
Email vincent.nguyen@cardno.com Web www.cardno.com

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From: Cecile L de Guia [mailto:CecileLdeGuia@eurofinsUS.com]
Sent: Tuesday, May 30, 2017 2:09 PM
To: Vincent Nguyen <Vincent.Nguyen@cardno.com>; David Purdy <dave.purdy@cardno.com>
Subject: RE: Gladiola Station samples
Importance: High

The second cooler showed up. Please advise if you want these samples analyzed though temperature was out of spec? Thank you.

Best regards,
Cecile de Guia
Project Manager
Eurofins Calscience
(714) 895-5494

From: Vincent Nguyen [mailto:Vincent.Nguyen@cardno.com]
Sent: Tuesday, May 30, 2017 1:26 PM
To: Cecile L de Guia
Subject: RE: Gladiola Station samples

Hi Cecile,

I will figure out where that other cooler is once I get back into the office later today.

Sent from my Verizon 4G LTE smartphone

-------- Original message --------
From: Cecile L de Guia <CecileLdeGuia@eurofinsUS.com>
Date: 5/30/17 1:22 PM (GMT-08:00)
To: David Purdy <dave.purdy@cardno.com>, Vincent Nguyen <Vincent.Nguyen@cardno.com>
Subject: Gladiola Station samples

Good Afternoon Dave,
We have received one cooler full of samples from Gladiola station. However, the second cooler was not delivered. The cooler that we received didn't have the COC. Please refer to the attached airbill and sample were shipped on May 25 using 2 days service and we received it just today due to the holiday. Anyhow, the temperature of the samples was at 20°C and the ice were all melted. Can you tract the other cooler and would you like us to proceed with the analysis? Meanwhile, can Vince send me a copy of the COC in order for us to login the samples in LIMS?
Thank you.

Best regards,
Cecile de Guia
Project Manager
Eurofins Calscience
(714) 895-5494
Website: www. eurofinsus.com

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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: 5/24/17
PAGE: 1 OF 1

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:
P.O. 4410488459
PROJECT CONTACT: David Purdy
SAMPLER(S): Vincent Nguyen
LOGCODE: 17-05-2258
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	MAT-RIX	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-MW-6	MW-6	5/24/17	1030	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-41-MW-10	MW-10	5/24/17	1250	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-MW-11	MW-11	5/24/17	1335	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-MW-22	MW-22	5/24/17	1445	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-40-MW-26	MW-26	5/24/17	1550	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-39-MW-19	MW-19	5/24/17	1630	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
~~7~~	Trip Blank	QCTB	—	—	W	3	X							3 vials with HCL

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Vincent Nguyen	FEDEX	05/25/17 ; 1000
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
		5/30/17 1420
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
COC\Copy of Gladiola Station-NM Site COC		

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24x13-14

2258

ORIGIN ID:HOBA (000) 000-0000
CARDINAL
25371 COMMERCENTRE DR STE 250

LAKE FOREST, CA 92630
UNITED STATES US

SHIP DATE: 25MAY17
ACTWGT: 59.40 LB
CAD: 006994246/SSFE1802
DIMS: 24x13x14 IN

BILL THIRD PARTY

Part # 156297V-435 RIT2 AA/EXP 08/17
546J1/8734/53C1

TO SAMPLE CONTROL
EUROFINS / CAL SCIENCE
7440 LINCOLN WAY

GARDEN GROVE CA 92841
(000) 000-0000 REF:
INV:
PO: DEPT:

FedEx
Express

E

J171117021401uv

1 of 2
TRK# 7866 8751 5720
0201
TUE - 30 MAY 4:30P
** 2DAY **

MASTER

B1 APVA

92841
CA-US SNA

FedEx
[redacted] 5/30 TUES [redacted] AA
TRK# 7866 8751 5731
0201
** 2DAY **

92 APVA

92841
CA-US
SNA

FID 95418 30MAY17 APVA 546C1/8734/0C8A

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WORK ORDER NUMBER: 17-05- 2258

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 2

CLIENT: Cardno

DATE: 05 / 30 / 2017

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

Thermometer ID: SC3 (CF: 0.0°C); Temperature (w/o CF): 19.8 °C (w/ CF): 19.8 °C; ☐ Blank ☑ Sample

☑ Sample(s) outside temperature criteria (PM/APM contacted by: IS)

☐ 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: IS

CUSTODY SEAL:

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

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			
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: 170511 A)

Aqueous: ☐ VOA ☑ VOA**h** (5) ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☑ 125PB ☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☑ 250PB ☑ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s** ☐ 500PB ☑ 1AGB (2) ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☑ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

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

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

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

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

Labeled/Checked by: 1053

Reviewed by: LS

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WORK ORDER NUMBER: 17-05- 2258

SAMPLE RECEIPT CHECKLIST

COOLER 2 OF 2

CLIENT: Cardno

DATE: 05 / 30 / 2017

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

Thermometer ID: SC3 (CF: 0.0°C); Temperature (w/o CF): 20.1 °C (w/ CF): 20.1 °C; ☐ Blank ☑ Sample

☑ Sample(s) outside temperature criteria (PM/APM contacted by: IS)

☐ 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: IS

CUSTODY SEAL:

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

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			
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 ☑ VOAh ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☑ 125PB

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

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

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

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

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

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

Labeled/Checked by: 1053

Reviewed by: [illegible]

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APPENDIX C
WASTE DOCUMENTATION

SUNDANCE SERVICES, Inc.
P.O. Box 1737 Eunice, New Mexico 88231
(575) 394-2511

TICKET No. 417466

LEASE OPERATOR/SHIPPER/COMPANY: Exxon Mobil

LEASE NAME: Gladiola Station

TRANSPORTER COMPANY: Alamo 1 | **TIME** 4:55 AM/PM

DATE: 5-25-17 **VEHICLE NO:** R-1 GENERATOR COMPANY MAN'S NAME:

CHARGE TO: Alamo 1 | RIG NAME AND NUMBER 832-814-3113

Richard Schroeder
713-515-2299

TYPE OF MATERIAL

[ ] Production Water [ ] Drilling Fluids [ ] Rinsate
[ ] Tank Bottoms [ ] Contaminated Soil [ ] Jet Out
[ ] Solids [ ] BS&W Content: [ ] Call Out

Description: 2 drums - Leaking drums.

RRC or API # **C-133#**

VOLUME OF MATERIAL [ ] BBLS. ____: [ ] YARD ____: [ ] ____

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

***THIS WILL CERTIFY** that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.*

DRIVER: [signature]
(SIGNATURE)

FACILITY REPRESENTATIVE: Stephanie Bolena
(SIGNATURE)

White - Sundance Canary - Sundance Acct #1 Pink - Transporter

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:	OGRID:
EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	7673
	Action Number: 409542
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	First and Second Quarter 2017 Semi-Annual Groundwater Monitoring Report Gladiola Station; App ID: 409542	12/16/2024