December 6, 2019
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Mr. Bradford Billings
State of New Mexico
Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

SUBJECT **Second Quarter 2019 through Fourth Quarter 2019 Groundwater Monitoring Report**
Gladiola Station
Lea County, New Mexico
OCD No. AP038

Mr. Billings:

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

Please call the undersigned at 949.457.8941 if you have questions.

Sincerely,

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

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

Second Quarter 2019 through Fourth Quarter 2019 Groundwater Monitoring Report

Gladiola Station

Lea County, New Mexico
OCD No. AP038

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Prepared for
ExxonMobil Environmental and Property Solutions Company

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Senior Project Manager
for Cardno
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1 Introduction

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

2 Site Description

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

3 Geology and Hydrogeology

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

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

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

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

4 Regulatory Framework and Site Classification

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

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

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

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

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

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

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

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

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

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

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

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

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

5 Previous Work

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

5.1 Pumping Station Activities

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

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

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

5.2 Site Assessment Activities

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

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

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

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

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

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

June 18-26, 2018. Cardno oversaw the installation of monitoring wells MW27 though MW32 (Cardno, 2018b).

5.3 Remediation Activities

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

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

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

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

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

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

5.4 Groundwater Monitoring Activities

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

March 4-7, 2019. Cardno conducted a groundwater monitoring and sampling event at the site (Cardno, 2019).

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

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

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

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

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

6.2 Monitoring Well Sampling

From October 2 and 3, 2019, groundwater samples were collected from the monitoring wells without NAPL.

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

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

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

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

6.3 NAPL Bailing

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

6.4 Waste Management

Decontamination/purge water and NAPL generated during the sampling and NAPL recovery event were temporarily stored in DOT-approved, sealed 55-gallon drums. Waste disposal documentation is included in Appendix C.

7 Results

Measurable NAPL was encountered in monitoring wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-21, and MW-23 through MW-26. NAPL thickness ranged from 0.05 foot (MW-23) to 2.11 feet (MW-10). Sheen was observed in well MW-3. NAPL was not observed in newly-installed groundwater monitoring wells MW-27 through MW-32.

Measured groundwater levels in the wells ranged from 36.11 feet below TOC (well MW-3) to 41.58 feet below TOC (MW-32). The apparent groundwater flow direction was to the northeast. The groundwater surface elevations and NAPL thicknesses for the monitoring wells are summarized in Table 1. The groundwater surface elevations were used to construct a potentiometric surface map (Plate 3), illustrating the estimated water table contours and direction of groundwater flow.

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

- **Benzene:** MW-17.
- **Total Naphthalene:** MW-17.
- **Chloride:** MW-27 and MW-31.

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

8 Conclusions and Recommendations

Concentrations and NAPL measurements decreased or remained stable. The lateral assessment of NAPL in groundwater appears to be delineated with the exception of MW-26 to the north of the site where NAPL was observed for the second time at a thickness of 1.53 feet. No NAPL or sheen was observed in newly-installed groundwater monitoring wells MW-27 through MW-32. The groundwater flow direction was consistent with historical results.

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

9 Contact Information

The responsible party contact is Ms. Marla D. Madden, ExxonMobil Environmental and Property Solutions Company, 8941 Atlanta Avenue, #384, Huntington Beach, California, 92646.

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

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

10 Limitations

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

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

11 References

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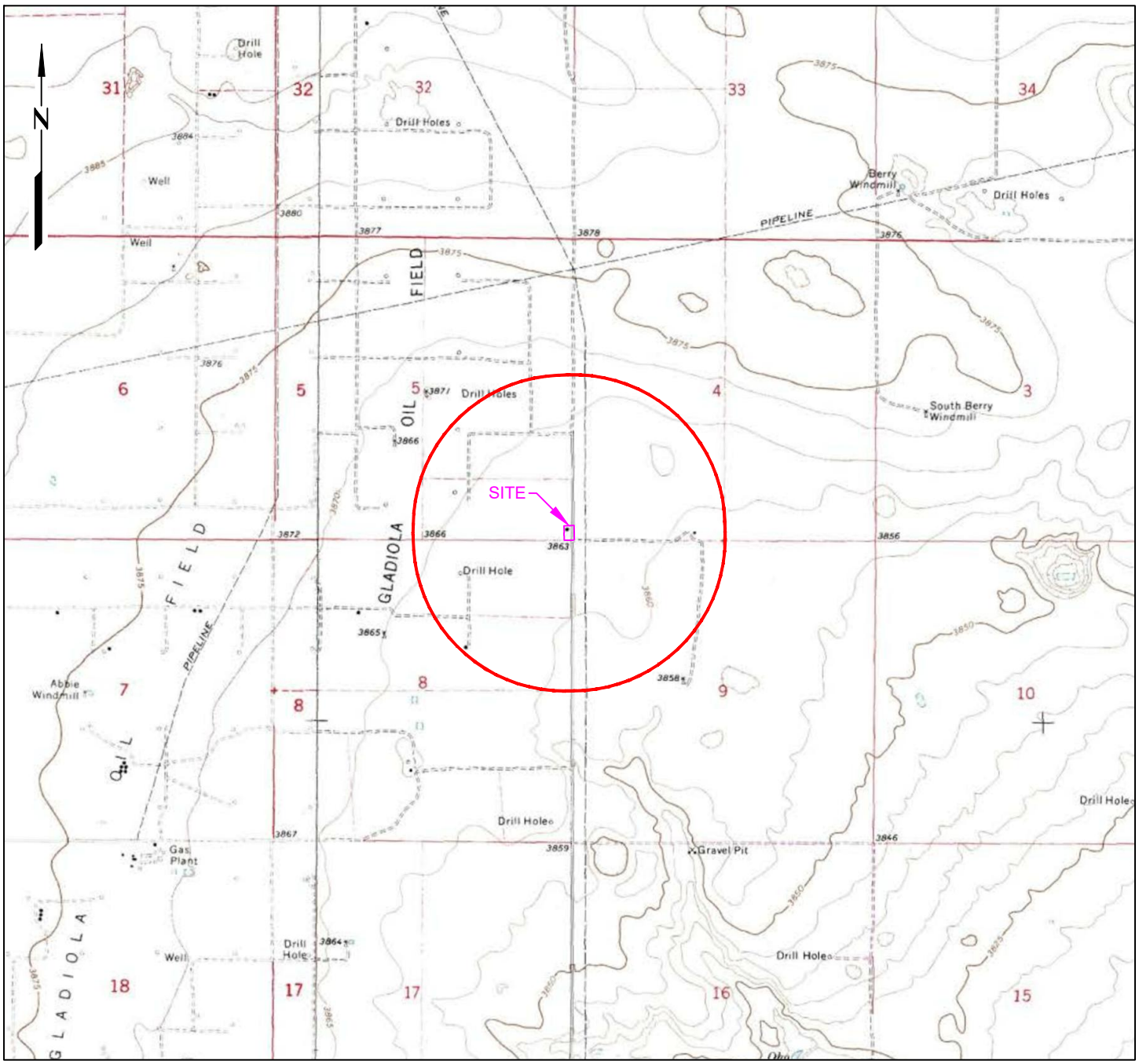
12 Acronym List

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



FN 3612.TOPO02

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

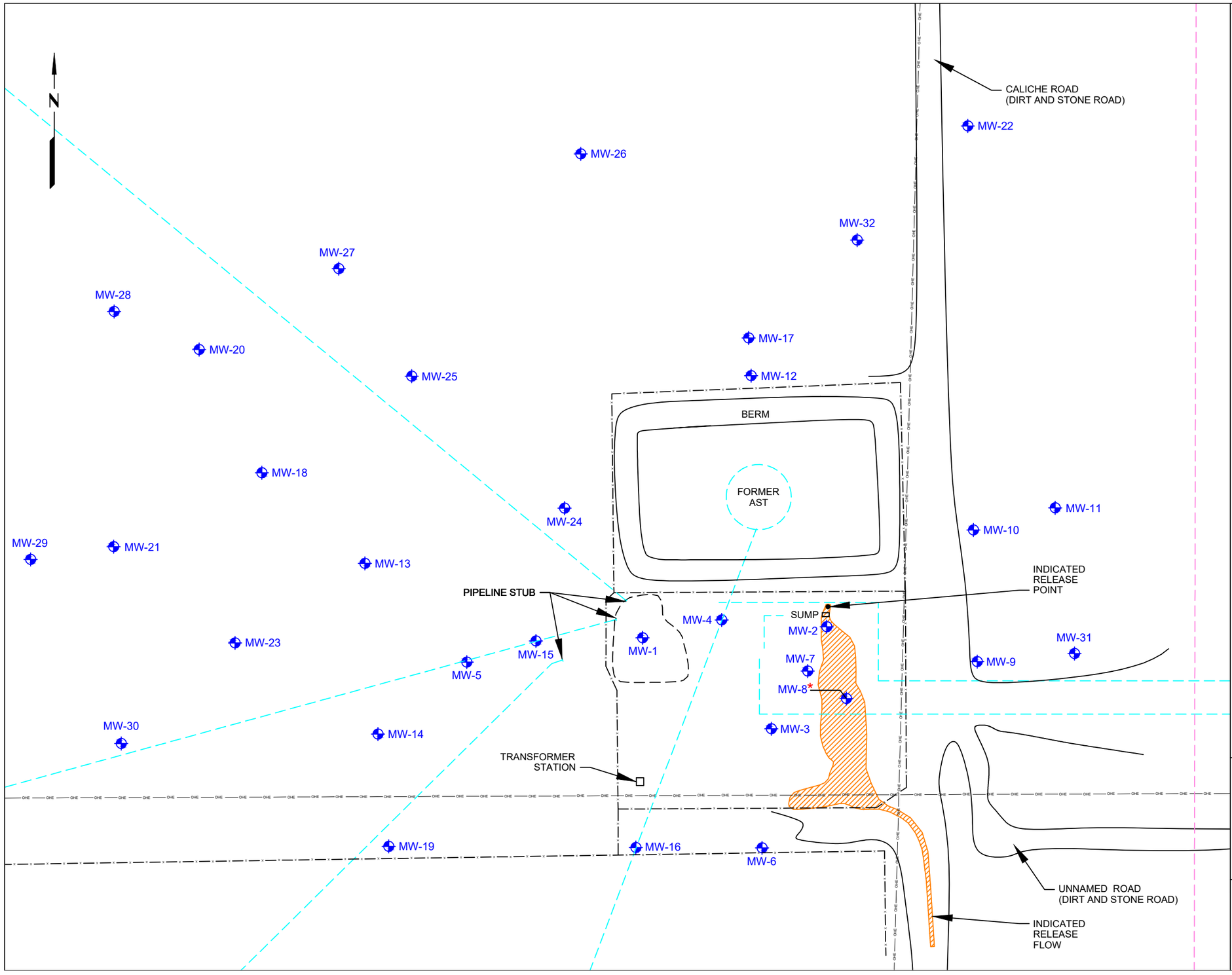
SOURCE: Modified from a map provided by MapPass

Cardno

SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO.
3612
PLATE
1



EXPLANATION

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

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

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GENERALIZED SITE PLAN

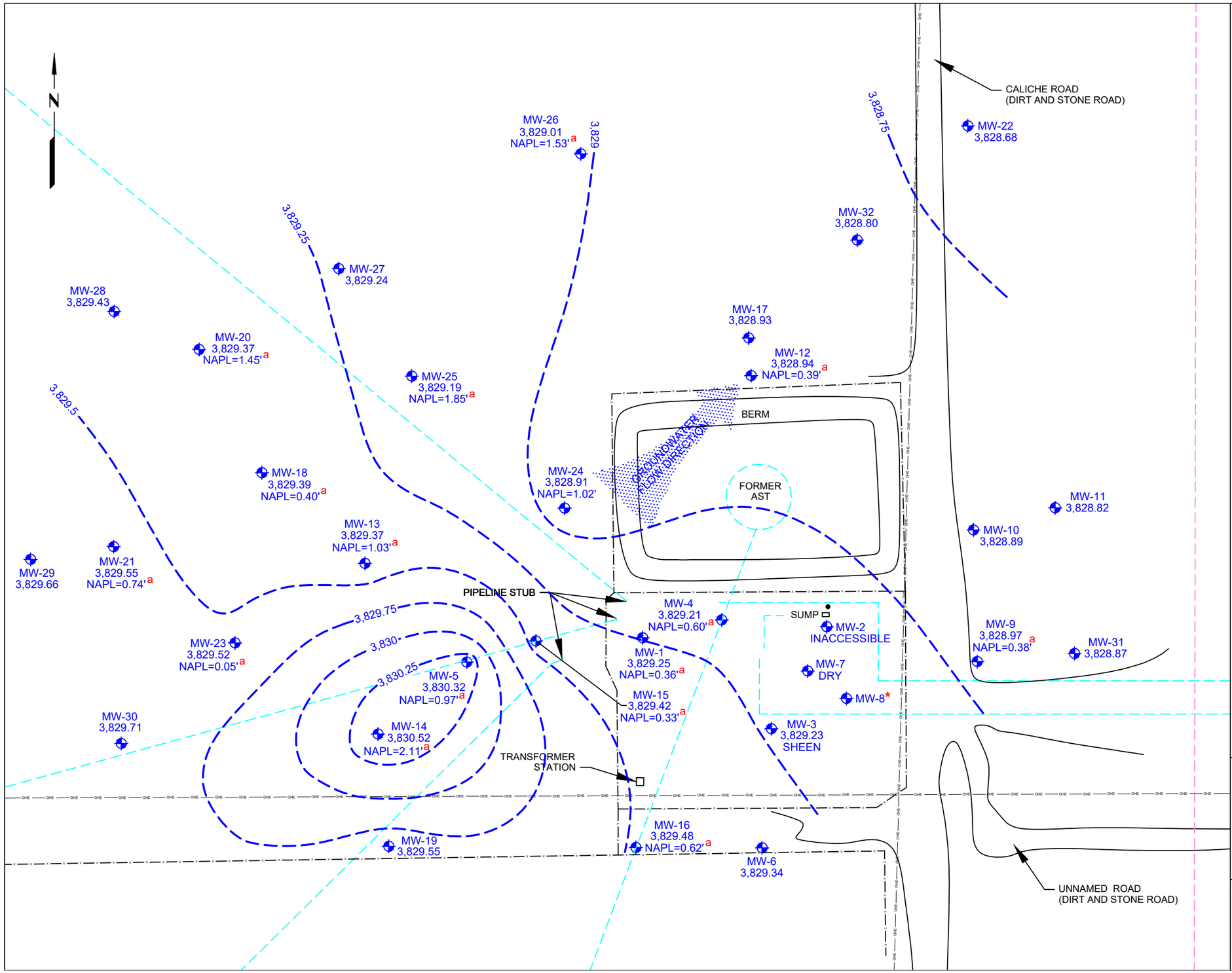
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 2

DATE: 12/06/19



EXPLANATION

- MW-32 — Groundwater monitoring well
- * — Well is presumed to have been destroyed
- Groundwater elevation in feet relative to mean sea level
- a — Groundwater elevation is adjusted for NAPL thickness using a relative density of 0.83
- NAPL=2.11' — Non-aqueous phase liquid thickness in feet
- Line of equal groundwater elevation
- Overhead electric line
- Fence
- Active pipeline
- Inactive pipeline

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

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ELEVATION MAP 10/01/19

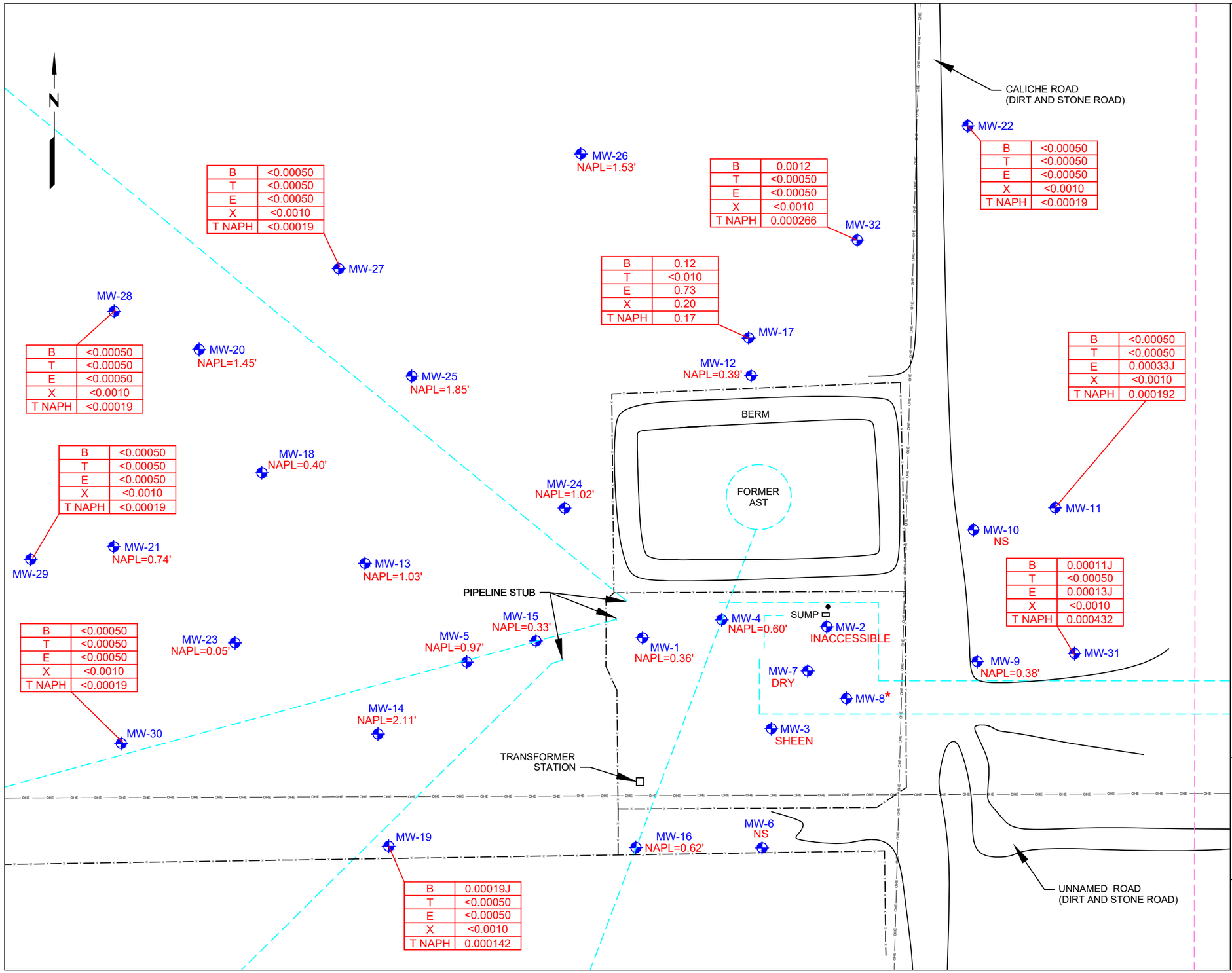
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 3

DATE: 12/06/19



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=2.11'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit & practical quantitation limit
NS	Not sampled

B	Benzene
T	Toluene
E	Ethylbenzene
X	Xylenes
T NAPH	Total naphthalene

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

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

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER SAMPLE ANALYSES MAP 10/02-03/19

GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 4

DATE: 12/06/19

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet):**	**22.71-42.71**						
10/01/19	3866.77	37.82	3,829.25	0.36				
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**						
10/01/19	3865.34	36.11	3,829.23	Sheen				
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
10/01/19	3866.32	37.61	3,829.21	0.60				
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
10/01/19	3868.65	39.14	3,830.32	0.97				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
10/01/19	3868.66	39.32	3,829.34		Insufficient water to sample.			
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**						
10/01/19	3865.76	Dry		No				
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
10/01/19	3869.90	41.25	3,828.97	0.38				
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
10/01/19	3870.47	41.58	3,828.89		Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
10/01/19	3869.68	40.86	3,828.82	No				
10/03/19	3869.68			No	<0.00050	<0.00050	0.00033 J	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
10/01/19	3869.40	40.78	3,828.94	0.39				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
10/01/19	3868.76	40.24	3,829.37	1.03				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
10/01/19	3868.62	39.85	3,830.52	2.11				
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
10/01/19	3868.86	39.71	3,829.42	0.33				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
10/01/19	3868.68	39.71	3,829.48	0.62				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
10/01/19	3869.27	40.34	3,828.93	No				
10/03/19	3869.27			No	**0.12**	<0.010	0.73	0.20
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
10/01/19	3868.94	39.88	3,829.39	0.40				

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-19	**Well Screen Interval (feet):**	**27.00-42.00**						
10/01/19	3868.90	39.35	3,829.55	No				
10/02/19	3868.90			No	0.00019 J	<0.00050	<0.00050	<0.0010
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
10/01/19	3869.15	40.98	3,829.37	1.45				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
10/01/19	3869.07	40.13	3,829.55	0.74				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
10/01/19	3869.86	41.18	3,828.68	No				
10/03/19	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
10/01/19	3869.22	39.74	3,829.52	0.05				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
10/01/19	3868.04	39.98	3,828.91	1.02				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
10/01/19	3869.14	41.49	3,829.19	1.85				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
10/01/19	3869.15	41.41	3,829.01	1.53				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3869.12	39.88	3,829.24	No				
10/02/19	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3869.32	39.89	3,829.43	No				
10/02/19	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3869.36	39.70	3,829.66	No				
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3869.10	39.39	3,829.71	No				
10/02/19	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3869.05	40.18	3,828.87	No				
10/03/19	3869.05			No	0.00011 J	<0.00050	0.00013 J	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3870.35	41.55	3,828.80	No				
10/03/19	3870.35			No	0.0012	<0.00050	<0.00050	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**										
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000012 J	<0.00019
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**										
10/03/19	0.00027	0.00017 J	<0.00019	0.000023 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0021	<0.00019
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**										
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00037	<0.00019
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**										
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**										
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**										
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**										
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**										
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**										
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00024	<0.00019
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**										
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00052	<0.00019

TABLE 2
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**					
10/03/19	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**					
10/03/19	0.0012	<0.00019	0.080	0.042	0.048	**0.17**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
10/02/19	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**					
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**					
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**					
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**					
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**					
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**					
10/03/19	0.000032 J	<0.00019	0.000079 J	0.00026	0.000093 J	0.000432
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**					
10/03/19	0.0000059 J	<0.00019	0.00014 J	0.00011 J	0.000016 J	0.000266

TABLE 2

GROUNDWATER ANALYTICAL RESULTS FOR PAHs

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

TABLE 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-11	**Well Screen Interval (feet):**		**29.00-44.00**									
10/03/19	<0.100	0.0453	<0.0100	0.0124 J	0.0238 J	0.0000707	0.0346 J	<0.0100	157	90	471	950
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
10/03/19	<0.100	**9.99**	<0.0100	<0.0500	0.0286 J	0.0000580	0.0297 J	<0.0100	4.63	<10	847	840
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
10/02/19	<0.100	0.0477	<0.0100	0.00788 J	<0.0500	0.0000658	<0.100	<0.0100	36.2	100	325	515
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	**278**	110	176	815
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
10/02/19	<0.100	0.0607	<0.0100	0.0120 J	0.0156 J	0.000112	<0.100	<0.0100	207	380	154	955
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
10/02/19	<0.100	0.0434	<0.0100	<0.0500	0.0146 J	0.000105	<0.100	<0.0100	177	88	182	630
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
10/02/19	<0.100	0.0441	<0.0100	0.00705 J	0.0138 J	0.000161	<0.100	<0.0100	197	84	172	715
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
10/03/19	<0.100	0.211	<0.0100	<0.0500	0.0204 J	0.0000458 J	0.0321 J	<0.0100	**751**	88	377	635
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
10/03/19	<0.100	0.302	<0.0100	0.00840 J	0.0246 J	0.000117	<0.100	<0.0100	49.9	36	488	605

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**							
05/17/04	3863.81	32.74	3831.07	No				
11/30/04	3863.81	30.83	3835.00	2.43				
05/05/05	3863.81	29.20	3835.25	0.77				
07/24/06	3863.81	28.71	3835.58	0.58	**1.6**	0.236	0.181	**0.815**
02/08/07	3863.81	28.92	3835.27	0.46	**1.1**	0.106	0.362	**1.46**
04/15/08	3863.81	29.45	3834.68	0.39				
09/21/08	3863.81			No				
09/26/08	3863.81	29.58	3834.51	0.34	**1.03**	0.00434	0.551	**1.63**
02/15/09	3863.81	30.50	3833.60	0.35				
05/19/09	3863.81	30.85	3833.32	0.43	**1.12**	0.00132	0.563	**1.22**
08/19/09	3865.14	31.75	3833.68	0.35	**1.06**	0.227	0.67	**1.51**
10/30/09	3865.14	31.73	3833.64	0.28	**1.01**	0.00225	**0.774**	**1.63**
10/12/11	3865.14	34.60	3831.00	0.55				
02/22/12	3865.14	34.85	3830.66	0.45				
07/17/12	3866.63	35.26	3831.77	0.48				
10/03/12	3866.63	35.42	3831.58	0.45				
05/14/13	3866.63	35.83	3831.12	0.39				
01/27/14	3866.63	36.83	3830.57	0.93				
06/17/14	3866.63	36.92	3830.19	0.58				
11/18/14	3866.63	36.94	3830.19	0.60				
12/07/15	3866.63	36.87	3830.11	0.42				
04/26/16	3866.63	37.20	3829.73	0.36				
10/24/16	3866.63	36.64	3830.17	0.22				
05/22/17	3866.63	37.41	3829.56	0.41				
11/28/17	3866.63	37.18	3829.67	0.27				
07/17/18	3866.77	37.52	3829.57	0.38				
03/04/19	3866.77	37.82	3,829.32	0.44				
10/01/19	3866.77	37.82	3,829.25	0.36				
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 - Present	3869.40				Inaccessible - Stick-up well casing damaged.			
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**							
05/17/04	3863.72	32.79	3830.93	No				
11/30/04	3863.72	30.08	3834.01	0.44				

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				
11/28/17	3865.25	35.70	3829.57	0.02	Insufficient water to sample.			
07/17/18	3865.34	35.80	3829.54	No				
03/04/19	3865.34	36.13	3,829.21	Sheen				
10/01/19	3865.34	36.11	3,829.23	Sheen				
Field Point MW-4	**Well Screen Interval (feet): 23.97-38.97**							
07/25/06	3864.66	29.57	3835.09	No	**3.14**	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	No	**2.78**	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	No	**3.39**	0.0151	0.337	**0.662**
09/21/08	3864.66			No				
09/26/08	3864.66	30.75	3833.93	0.02	**2.95**	0.0276	0.328	**0.688**
02/15/09	3864.66	31.09	3833.58	0.01				
05/19/09	3864.66	31.73	3833.10	0.20	**1.93**	0.00189	0.170	0.546
08/19/09	3864.66	31.82	3832.98	0.17	**2.89**	<0.00100	0.336	0.600
10/30/09	3864.66	31.80	3832.96	0.12	**2.92**	0.0011	0.347	0.619
10/12/11	3864.66	34.09	3830.91	0.41				
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
10/01/19	3866.32	37.61	3,829.21	0.60				

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**						
07/20/06	3866.99	31.82	3835.17	No	**6.93**	0.374	0.567	**1.14**
02/07/07	3866.99	31.93	3835.06	No	**6.91**	0.297	**0.905**	**1.74**
04/15/08	3866.99	32.45	3834.54	No	**5.44**	0.0686	**0.763**	**1.33**
09/21/08	3866.99			No				
09/26/08	3866.99	33.07	3833.92	No	**6.17**	0.0979	0.736	**1.220**
02/06/09	3866.99	33.54	3833.45	No	**5.61**	0.0514	**0.849**	**1.410**
02/06/09 D	3866.99	33.54	3833.45	No	**5.26**	0.0438	**0.835**	**1.320**
05/19/09	3866.99	33.83	3833.16	No	**5.08**	0.0436	0.681	**1.180**
08/19/09	3866.99	34.15	3832.84	No	**4.68**	0.0567	0.726	**0.932**
08/19/09 D	3866.99	34.15	3832.84	No	**4.79**	0.0732	0.709	**1.100**
10/30/09	3866.99	34.35	3832.64	No	**5.01**	0.0933	0.713	**1.25**
10/12/11	3866.99	36.02	3830.97	No	**3.5**	0.00678	0.521	0.431
10/12/11 D	3866.99	36.02	3830.97	No	**3.47**	0.00666	0.52	0.407
02/22/12	3866.99	36.85	3830.14	No	**3.75**	0.00125	0.54	**0.626**
02/22/12 D	3866.99	36.85	3830.14	No	**3.65**	<0.00100	0.516	0.593
07/17/12	3868.54	36.70	3831.84	No	**2.68**	<0.00100	0.419	0.262
07/17/12 D	3868.54	36.70	3831.84	No	**2.62**	<0.00100	0.39	0.251
10/03/12	3868.54	37.54	3831.00	No	**2.91**	<0.00100	0.49	**0.667**
10/03/12 D	3868.54	37.54	3831.00	No	**2.97**	<0.00100	0.501	**0.683**
05/15/13	3868.54	37.47	3831.05	0.10				
01/28/14	3868.54	38.90	3830.47	1.00				
06/18/14	3868.54	39.13	3830.17	0.91				
11/18/14	3868.54	40.01	3829.95	1.71				
12/07/15	3868.54	41.09	3829.92	2.98				
04/26/16	3868.54	39.48	3829.76	0.84				
10/24/16	3868.54	39.59	3829.80	1.02				
05/22/17	3868.54	39.80	3829.66	1.11				
11/28/17	3868.54	40.06	3829.52	1.25				
07/17/18	3868.65	40.03	3829.62	1.21				
03/04/19	3868.65	40.33	3,829.38	1.28				
10/01/19	3868.65	39.14	3,830.32	0.97				
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

TABLE 4
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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**							
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				Unable to sample due to silt in pump.			
05/22/17	3868.52	38.93	3829.59	No				
05/24/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3868.52	38.91	3829.61	No				
11/29/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3868.66	39.02	3829.64	No				
07/20/18	3868.66			No	<0.00050	<0.00050	<0.00050	<0.00050
03/07/19	3868.66	39.26	3,829.40	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3868.66	39.32	3,829.34		Insufficient water to sample.			
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
07/25/06	3864.14	29.05	3835.09	No	**0.0279**	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	No	**0.0332**	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	No	**0.0147**	<0.00100	0.00422	0.0167
09/20/08	3864.14			No				
09/26/08	3864.14	30.17	3833.97	No	**0.0194**	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	No	**0.0158**	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	No	**0.0138**	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	No	**0.0250**	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	Sheen	**0.0348**	<0.00100	0.0026	<0.00300
07/17/12	3865.67	33.96	3831.73	0.02				
10/03/12	3865.67	34.16	3831.52	0.01				
05/14/13	3865.67	35.96	3829.98	0.32				
01/27/14	3865.67	35.22	3830.47	0.03				
06/17/14	3865.67	35.54	3830.13	Sheen				
11/18/14	3865.67	35.64	3830.03	Sheen				
12/07/15	3865.67	35.76	3829.92	0.01				
04/26/16	3865.67	36.00	3829.68	0.01				
10/24/16	3865.67	35.84	3829.83	(d)				
05/22/17	3865.67	Dry		No				
11/28/17	3865.67	36.11	3829.56	No				
07/17/18	3865.76	Dry		No				
03/04/19	3865.76	Dry		No				
10/01/19	3865.76	Dry		No				
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	No	0.00561	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80			No				
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653
10/12/11	3863.80				Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				
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 - Present	3865.32				Unable to locate - Presumed destroyed.			

TABLE 4
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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
07/21/06	3868.29	33.48	3834.81	No	0.00137	0.001	0.001	0.003
02/06/07	3868.29	33.60	3834.69	No	0.00170	<0.00100	<0.00100	<0.00300
04/15/08	3868.29	34.10	3834.19	No	0.00254	<0.00100	<0.00100	<0.00300
09/21/08	3868.29			No				
09/26/08	3868.29	34.66	3833.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/05/09	3868.29	35.16	3833.13	No	0.00585	<0.00100	<0.00100	<0.00300
05/18/09	3868.29	35.44	3832.85	No	0.00404	<0.00100	<0.00100	<0.00300
08/19/09	3868.29	35.70	3832.59	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.29	35.93	3832.36	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.29	37.66	3830.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.29	38.49	3829.80	No	0.00136	<0.00100	<0.00100	<0.00300
07/17/12	3869.82	38.30	3831.52	No	0.00529	<0.00100	0.00654	0.0132
10/03/12	3869.82	38.40	3831.50	0.10	**0.135**	0.00971	0.177	**0.829**
05/14/13	3869.82	38.99	3830.88	0.06				
01/28/14	3869.82	40.12	3830.14	0.53				
06/17/14	3869.82	40.22	3829.84	0.29				
11/17/14	3869.82	40.35	3829.64	0.20				
12/07/15	3869.82	40.51	3829.51	0.24				
04/26/16	3869.82	40.68	3829.37	0.28				
10/24/16	3869.82	40.71	3829.33	0.27				
05/22/17	3869.82	40.85	3829.26	0.35				
11/28/17	3869.82	40.80	3829.21	0.23				
07/17/18	3869.90	40.90	3829.27	0.33				
03/04/19	3869.90	41.23	3,829.04	0.44				
10/01/19	3869.90	41.25	3,828.97	0.38				
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
11/28/17	3870.38	41.29	3829.09	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-10	**Well Screen Interval (feet):**	**28.08-43.08**						
11/29/17	3870.38			No	0.00051	<0.00050	<0.00050	<0.00050
07/17/18	3870.47	41.27	3829.20	No				
07/20/18	3870.47	41.30	3829.17	No	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3,828.89	No	0.00073	<0.00050	<0.00050	<0.00050
10/01/19	3870.47	41.58	3,828.89		Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06			No				
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06			No	<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06			No	<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3,828.79	No				
03/07/19	3869.68	40.71	3,828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.68	40.86	3,828.82	No				
10/03/19	3869.68			No	<0.00050	<0.00050	0.00033 J	<0.0010
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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
11/28/17	3869.27	40.58	3829.09	0.48				
07/17/18	3869.40	40.57	3829.21	0.46				
03/04/19	3869.40	40.81	3,828.98	0.47				
10/01/19	3869.40	40.78	3,828.94	0.39				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
04/30/08	3867.11	29.65	3837.46	No	**3.64**	0.102	0.292	0.499
09/21/08	3867.11			No				
09/26/08	3867.11	33.11	3834.00	No	**9.26**	0.513	**0.972**	**1.71**
02/06/09	3867.11	33.62	3833.49	No	**10.1**	0.554	**1.050**	**1.89**
05/19/09	3867.11	33.88	3833.23	No	**8.44**	0.323	**0.842**	**1.38**
08/19/09	3867.11	34.32	3832.89	0.12	**8.13**	0.305	**0.950**	**2.07**
10/30/09	3867.11	34.45	3832.72	0.07	**9.55**	0.218	**1.03**	**1.75**
10/13/11	3867.11	36.90	3831.00	0.95				
02/22/12	3867.11	37.78	3829.89	0.68				
07/17/12	3868.63	38.85	3831.86	2.50				
10/03/12	3868.63	39.02	3831.67	2.48				
05/14/13	3868.63	38.89	3831.30	1.88				
01/28/14	3868.63	39.91	3830.47	2.11				
06/17/14	3868.63	39.91	3830.19	1.77				
11/18/14	3868.63	41.56	3829.97	3.49				
12/07/15	3868.63	41.31	3829.94	3.16				
04/26/16	3868.63	40.12	3829.79	1.54				
10/24/16	3868.63	39.55	3829.87	0.95				
05/22/17	3868.63	39.91	3828.78	0.07				
11/28/17	3868.63	39.85	3829.62	1.01				
07/17/18	3868.76	39.86	3829.70	0.96				
03/04/19	3868.76	40.17	3,829.44	1.02				
10/01/19	3868.76	40.24	3,829.37	1.03				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
04/30/08	3866.92	29.48	3837.44	No	**0.0449**	0.00125	0.0231	0.0341
09/21/08	3866.92			No				
09/26/08	3866.92	32.82	3834.10	No	**0.123**	0.00187	0.0164	0.0911
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535
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				

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**							
05/22/17	3868.47	41.61	3829.72	3.44				
11/28/17	3868.47	40.00	3829.62	1.39				
07/17/18	3868.62	39.25	3829.79	0.50				
03/04/19	3868.62	39.79	3,829.54	0.85				
10/01/19	3868.62	39.85	3,830.52	2.11				
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3867.19	29.74	3837.45	No	**1.230**	0.167	0.320	0.554
09/21/08	3867.19			No				
09/26/08	3867.19	33.26	3833.94	0.01	**6.540**	**1.350**	**1.130**	**2.4**
02/15/09	3867.19	33.82	3833.44	0.09				
05/19/09	3867.19	34.20	3833.12	0.16	**3.800**	0.632	**0.848**	**1.8**
08/19/09	3867.19	34.40	3832.91	0.15	**3.850**	**0.892**	**0.799**	**2.25**
10/30/09	3867.19	34.60	3832.69	0.12	**8.96**	0.228	**0.949**	**1.66**
10/13/11	3867.19	38.04	3831.01	2.24				
02/22/12	3867.19	38.41	3830.71	2.32				
07/17/12	3868.74	38.20	3832.03	1.80				
10/03/12	3868.74	39.95	3831.57	3.35				
05/14/13	3868.74	40.11	3831.12	3.00				
01/28/14	3868.74	40.21	3830.47	2.34				
06/17/14	3868.74	39.35	3830.19	0.96				
11/18/14	3868.74	39.76	3830.13	1.39				
12/07/15	3868.74	40.31	3830.25	2.19				
04/26/16	3868.74	39.61	3829.89	0.91				
10/24/16	3868.74	38.70	3830.41	0.44				
05/22/17	3868.74	38.92	3829.84	0.02				
11/28/17	3868.74	38.96	3830.03	0.30				
07/17/18	3868.86	39.33	3829.79	0.31				
03/04/19	3868.86	39.63	3,829.51	0.34				
10/01/19	3868.86	39.71	3,829.42	0.33				
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				
11/18/14	3868.54	38.88	3830.44	0.94				
12/07/15	3868.54	38.61	3830.52	0.71				
04/26/16	3868.54	39.23	3830.02	0.85				
10/24/16	3868.54	38.36	3830.61	0.52				
05/22/17	3868.54	39.30	3829.82	0.70				
11/28/17	3868.54	38.79	3830.17	0.51				

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**						
07/17/18	3868.68	39.34	3829.87	0.64				
03/04/19	3868.68	39.71	3,829.63	0.79				
10/01/19	3868.68	39.71	3,829.48	0.62				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
08/19/09	3867.64	35.22	3832.42	No	**1.28**	0.0146	**0.845**	**1.19**
10/30/09	3867.64	35.40	3832.24	No	**1.52**	0.0211	**0.986**	**1.55**
10/13/11	3867.64	37.10	3830.54	No	**0.68**	<0.00100	0.407	0.524
02/22/12	3867.64	37.40	3830.24	No	**0.871**	<0.00100	0.727	**1.16**
07/17/12	3869.14	37.75	3831.39	No	**0.649**	0.00494	0.504	0.438
10/03/12	3869.14	38.20	3830.94	No	**0.825**	0.0103	0.682	**1.22**
05/14/13	3869.14	38.52	3830.62	Sheen				
01/28/14	3869.14	39.14	3830.00	Sheen				
06/17/14	3869.14	39.43	3829.71	Sheen				
11/07/14	3869.14	39.64	3829.50	Sheen				
12/09/15	3869.14	39.72	3829.42	Sheen				
04/26/16	3869.14	38.36	3830.78	Sheen				
10/24/16	3869.14	39.93	3829.21	(d)				
05/22/17	3869.14	40.00	3829.16	0.02				
11/28/17	3869.14	40.09	3829.05	No				
11/29/17	3869.14			No	**0.17**	<0.012	**0.77**	0.27
07/17/18	3869.27	40.08	3829.19	No				
07/18/18	3869.27			No	**0.15**	<0.010	0.72	0.20
03/04/19	3869.27	40.38	3828.89	No				
03/06/19	3869.27	40.20	3,829.07	No	**0.12**	<0.010	0.59	0.052 J,B
10/01/19	3869.27	40.34	3,828.93	No				
10/03/19	3869.27			No	**0.12**	<0.010	0.73	0.20
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
08/19/09	3867.31	34.45	3832.86	No	**2.40**	0.0206	0.681	**0.836**
10/30/09	3867.31	34.60	3832.71	No	**2.88**	0.0144	**0.779**	**0.703**
10/13/11	3867.31	36.26	3831.05	No	**1.81**	0.00572	0.274	0.108
02/22/12	3867.31	36.59	3830.73	0.01				
07/17/12	3868.79	37.30	3831.82	0.40				
10/03/12	3868.79	38.20	3831.34	0.90				
05/14/13	3868.79	38.23	3831.22	0.80				
01/28/14	3868.79	38.92	3830.53	0.80				
06/17/14	3868.79	38.99	3830.26	0.56				
11/17/14	3868.79	39.12	3830.04	0.44				
12/07/15	3868.79	39.15	3829.92	0.34				
04/26/16	3868.79	39.36	3829.77	0.41				
10/24/16	3868.79	39.19	3829.77	0.21				
05/22/17	3868.79	39.45	3829.62	0.34				
11/28/17	3868.79	39.41	3829.61	0.28				
07/17/18	3868.94	39.50	3829.70	0.31				
03/04/19	3868.94	39.75	3,829.44	0.30				
10/01/19	3868.94	39.88	3,829.39	0.40				
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

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**							
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	No				
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	No				
05/24/17	3868.75			No	0.0011	0.00020 J	0.00060	0.0030
11/28/17	3868.75	39.08	3829.67	No				
11/29/17	3868.75			No	0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	No				
07/18/18	3868.90			No	0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3,829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
10/01/19	3868.90	39.35	3,829.55	No				
10/02/19	3868.90			No	0.00019 J	<0.00050	<0.00050	<0.0010
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098
12/07/15	3868.97	39.90	3829.83	0.92				
04/26/16	3868.97	40.04	3829.70	0.93				
10/24/16	3868.97	40.50	3829.60	1.36				
05/22/17	3868.97	40.42	3829.53	1.18				
11/28/17	3868.97	39.66	3829.58	0.33				
07/17/18	3869.15	40.48	3829.66	1.19				
03/04/19	3869.15	39.99	3,829.58	0.50				
10/01/19	3869.15	40.98	3,829.37	1.45				
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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
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				
11/28/17	3868.89	39.63	3829.62	0.43				
07/17/18	3869.07	40.05	3829.86	1.01				
03/04/19	3869.07	40.24	3,829.62	0.95				
10/01/19	3869.07	40.13	3,829.55	0.74				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.73	40.82	3828.91	No				
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	No				
11/29/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	No				
07/18/18	3869.86	40.90	3828.96	No	<0.00050	0.00041 J	<0.00050	<0.00050
03/06/19	3869.86	41.16	3,828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.86	41.18	3,828.68	No				
10/03/19	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
02/22/12	3867.58	36.77	3830.81	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.08	37.13	3831.95	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.08	37.30	3831.78	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.08	37.88	3831.20	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.08	38.51	3830.57	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.08	38.79	3830.29	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3869.08	39.03	3830.05	No	**0.13**	<0.00100	0.0092	0.065
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150
10/24/16	3869.08	34.35	3834.82	0.11				
05/22/17	3869.08	39.42	3829.75	0.11				
11/28/17	3869.08	39.50	3829.65	0.08				
07/17/18	3869.22	39.46	3829.82	0.07				
03/04/19	3869.22	39.72	3,829.58	0.10				
10/01/19	3869.22	39.74	3,829.52	0.05				
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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
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				
11/28/17	3867.88	40.54	3830.11	3.34				
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3,829.39	1.80				
10/01/19	3868.04	39.98	3,828.91	1.02				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
02/22/12	3867.61	37.00	3830.61	No	**8.7**	**1.12**	**0.911**	**2.7**
07/17/12	3868.99	37.84	3831.58	0.52				
10/03/12	3868.99	38.92	3830.91	1.01				
05/14/13	3868.99	40.02	3830.99	2.43				
01/28/14	3868.99	41.72	3830.26	3.60				
06/17/14	3868.99	41.74	3829.99	3.30				
11/17/14	3868.99	41.45	3829.77	2.69				
12/07/15	3868.99	40.96	3829.73	2.05				
04/26/16	3868.99	40.00	3829.57	0.70				
10/24/16	3868.99	41.03	3829.53	1.89				
05/22/17	3868.99	41.13	3829.42	1.88				
11/28/17	3868.99	41.57	3829.34	2.31				
07/17/18	3869.14	40.20	3829.52	0.70				
03/04/19	3869.14	40.99	3,829.27	1.35				
10/01/19	3869.14	41.49	3,829.19	1.85				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
02/22/12	3867.59	37.28	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.98	37.90	3831.08	No	0.00177	<0.00100	<0.00100	<0.00300
10/03/12	3868.98	37.93	3831.05	No	0.00236	<0.00100	<0.00100	<0.00300
05/15/13	3868.98	38.37	3830.61	No	**0.0153**	<0.00017	<0.00019	<0.00018
01/29/14	3868.98	39.01	3829.97	No	**0.0129**	<0.00017	<0.00019	<0.00058
06/18/14	3868.98	39.30	3829.68	No	0.000672 J	<0.00017	<0.00019	<0.00038
11/19/14	3868.98	39.55	3829.43	No	0.0033	<0.00100	<0.00100	<0.002
12/08/15	3868.98	39.58	3829.40	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	No				
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	No				
05/24/17	3868.98			No	**0.037**	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	No				
11/29/17	3868.98			No	0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	No				
07/18/18	3869.15			No	**0.12**	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3,829.01	0.55				
10/01/19	3869.15	41.41	3,829.01	1.53				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.12	39.63	3829.49	No				
07/19/18	3869.12	39.60	3829.52	No	<0.00050	0.00025 J	<0.00050	<0.00050
03/06/19	3869.12	39.85	3,829.27	No	0.000083 J	<0.00050	<0.00050	<0.00050

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-27	**Well Screen Interval (feet):**	**35.00-50.00**						
10/01/19	3869.12	39.88	3,829.24	No				
10/02/19	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.32	39.65	3829.67	No				
07/19/18	3869.32			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.32	39.89	3,829.43	No				
10/02/19	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.36	39.52	3829.84	No				
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3,829.66	No				
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.10	39.10	3830.00	No				
07/19/18	3869.10			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.10	39.44	3,829.66	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.10	39.39	3,829.71	No				
10/02/19	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.05	39.90	3829.15	No				
07/19/18	3869.05			No	<0.00050	0.00039 J	<0.00050	0.0010
03/07/19	3869.05	40.16	3,828.89	No	0.00044 J	<0.00050	0.00065	0.0019 J
10/01/19	3869.05	40.18	3,828.87	No				
10/03/19	3869.05			No	0.00011 J	<0.00050	0.00013 J	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3870.35	41.28	3829.07	No				
07/19/18	3870.35			No	0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3,829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B
10/01/19	3870.35	41.55	3,828.80	No				
10/03/19	3870.35			No	0.0012	<0.00050	<0.00050	<0.0010
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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**												
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00015 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00022	<0.00019
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000012 J	<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
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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**												
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
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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**												
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
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000315	0.00144	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	**0.000774 R1**	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00290 R1	0.00180	<0.000200
10/13/11	0.000307	0.000515	0.0016	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00178	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0016	<0.00019
07/18/18	0.000077 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0015	<0.00019
03/06/19	0.00016 J	0.00011 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0017	<0.00019
10/03/19	0.00027	0.00017 J	<0.00019	0.000023 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0021	<0.00019
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200

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-18	**Well Screen Interval (feet): 27.00-42.00**												
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
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00037	<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-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
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

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**													
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
11/29/17	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

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
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

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-30	**Well Screen Interval (feet): 35.00-50.00**												
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00024	<0.00019
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/06/19	0.00010 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	<0.00020
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00052	<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

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 SB-5GW	**Grab Groundwater Sample**												
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098
Field Point SB-6GW	**Grab Groundwater Sample**												
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
Field Point SB-7GW	**Grab Groundwater Sample**												
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971

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

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

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

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

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

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

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

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

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

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**					
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**					
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
10/30/09	<0.000495	<0.000198	<0.00099 (c)	<0.00099	<0.00099	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
05/15/13	<0.0000561	<0.0000561	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
01/28/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000287	<0.0000191	0.000425	<0.0000191	<0.0000287	0.000425
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	0.00033	<0.00019	0.00022	0.0010	0.0013	0.00252
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
10/03/19	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
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**

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

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**					
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**
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**

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

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**					
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
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**					
08/19/09	0.0102 R1	<0.000200	0.134 (c)	0.188 R1	0.0768	**0.3988 R1**
10/30/09	0.0121 R1	0.00284 R1	0.134 (c)	0.193 R1		**0.327 R1**
10/13/11	<0.000099	<0.000099	0.0798	0.0364	0.0556	**0.1718**
07/17/12	<0.00190	<0.00190	0.0429	0.0256	0.0306	**0.0991**
10/03/12	<0.00189	<0.00189	0.0865	0.0325	0.0402	**0.1592**
11/29/17	0.0013	<0.00019	0.044	0.022	0.028	**0.094**
07/18/18	0.00073	<0.00019	0.053	0.026	0.028	**0.107**
03/06/19	0.0010	<0.00019	0.062	0.030	0.037	**0.067**
10/03/19	0.0012	<0.00019	0.080	0.042	0.048	**0.17**
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**					
08/19/09	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
10/30/09	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**

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

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
08/19/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.00003	<0.00002	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	0.00018 J	<0.00019	0.00045	0.0013	0.00025	0.002
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
10/02/19	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**					
08/19/09	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.000476	<0.000190	<0.000952 (c)	<0.000952	<0.000952	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

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

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

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

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

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**					
11/29/17	<0.00019	<0.00019	0.00020	0.00018 J	0.00015 J	0.00053
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
10/03/19	0.000032 J	<0.00019	0.000079 J	0.00026	0.000093 J	0.000432

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-32	**Well Screen Interval (feet): 35.00-50.00**					
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/06/19	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085
10/03/19	0.0000059 J	<0.00019	0.00014 J	0.00011 J	0.000016 J	0.000266
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.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

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

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

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

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

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

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

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

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

TABLE 6
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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-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
10/03/19	<0.100	0.0453	<0.0100	0.0124 J	0.0238 J	0.0000707	0.0346 J	<0.0100	157	90	471	950
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		

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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**									
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
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**									
04/30/08	0.0107	**1.02**	<0.00100	0.0097	0.0058	<0.000200	<0.0100	<0.00500	16.6	52.5	750	726 A-01
09/21/08	0.0153	**1.40**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.87	3.28	762	716
05/18/09	0.0167	**1.59**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.84	1.69	783	776
08/19/09	0.0136	**1.73**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.37	1.67	791	750
10/30/09	0.0136	**1.79**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.38	1.83	732	410
10/30/09 D	0.0152	**2.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.8	1.51	730	260
10/13/11	0.0142	**2.21**	0.0051	<0.00500	0.0074	<0.000200	<0.0100	<0.00500	6.19	2.08		
07/17/12	0.0147	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.83	2.32	726	788
10/03/12	0.0193	**1.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7	1.81	721	769
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0475	**1.98**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.7	1.09	748	725
10/30/09	0.0541	**1.69**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11	<1.00	719	210
10/13/11	0.036	**3.61**	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	7.35	1.34		
07/17/12	0.0238	0.0206	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.93	1.43	714	747
10/03/12	0.0418	**4.51**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.12	<1.00	698	718
11/29/17	0.0192	**10.2**	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	14	0.55 J	896	815
07/18/18	<0.0100	**9.58**	<0.0100	0.00471 J	<0.0100	0.0000984 B,J	<0.0150	<0.00500	5.6	<1.0	850	**1000**
03/06/19	<0.100	**10.3**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
10/03/19	<0.100	**9.99**	<0.0100	<0.0500	0.0286 J	0.0000580	0.0297 J	<0.0100	4.63	<10	847	840

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-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
04/27/16	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
05/24/17	0.0327	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
11/29/17	0.0382	0.0579	<0.0100	**0.116**	<0.0100	<0.000200	0.00751 J	<0.00500	23	130	361	605
07/18/18	0.0388	0.0497	<0.0100	<0.0100	<0.0100	0.000112 B,J	<0.0150	<0.00500	36	120	300	610
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
10/02/19	<0.100	0.0477	<0.0100	0.00788 J	<0.0500	0.0000658	<0.100	<0.0100	36.2	100	325	515
Field Point MW-20	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		
07/17/12	0.0115	0.0481	<0.00100	<0.00500	<0.00500	<0.000200	0.0295	<0.00500	**423**	528	241	**1870**
10/03/12	0.0183	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	0.0167	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	0.0152	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**

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

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
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
10/03/12	0.0232	0.0197	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.5	280	223	792
05/15/13	0.0209	0.0204	<0.000200	<0.0012	0.0085	<0.00015	0.0161	<0.0013	41.7	293	212	782
01/29/14	0.0288	0.0191	<0.000200	<0.0012	0.0044 J	<0.00015	0.0066 J	<0.0013	42.8	242	236	750 B
01/29/14 D	0.0299	0.0188	<0.000200	<0.0012	<0.00035	<0.00015	0.0067 J	<0.0013	42.8	257	233	750 B
06/18/14	0.0179	0.0192	0.0007 J	<0.00300	<0.002	<0.000150	0.0096 J	<0.0025	42.7 B	248	221	776
11/19/14	0.019	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800
12/08/15	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	0.0194	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	0.0236	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590

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-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
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771
10/25/16	0.0300	**1.37**	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	0.0127	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	0.0249	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0226	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	**0.0519**	<0.00500	**280**	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	**278**	110	176	815

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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-28	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0156	0.0874	<0.0100	<0.0100	<0.0100	0.000104 B,J	0.0300	0.00196 J	220	430	140	**1060**
03/05/19	<0.100	0.0669	<0.0100	<0.0500	0.017 J	<0.000200	<0.100	<0.0100	220	440	140	**1100**
10/02/19	<0.100	0.0607	<0.0100	0.0120 J	0.0156 J	0.000112	<0.100	<0.0100	207	380	154	955
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0213	0.0809	<0.0100	<0.0100	<0.0100	0.000116 B,J	0.0282	0.00145 J	190	100	170	805
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
10/02/19	<0.100	0.0434	<0.0100	<0.0500	0.0146 J	0.000105	<0.100	<0.0100	177	88	182	630
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.00958 J	0.0590	<0.0100	<0.0100	<0.0100	0.000102 B,J	<0.0150	<0.00500	170	100	170	725
03/05/19	<0.100	0.0490	<0.0100	<0.0500	0.0105 J	<0.000200	<0.100	<0.0100	190	110	160	690
10/02/19	<0.100	0.0441	<0.0100	0.00705 J	0.0138 J	0.000161	<0.100	<0.0100	197	84	172	715
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0633	<0.0100	<0.0100	<0.0100	0.000103 B,J	0.0202	0.00222 J	120	150	250	735
03/07/19	<0.100	0.207	<0.0100	<0.0500	0.01 J	0.000256	<0.100	<0.0100	65	96	400	745
10/03/19	<0.100	0.211	<0.0100	<0.0500	0.0204 J	0.0000458 J	0.0321 J	<0.0100	**751**	88	377	635
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0799	<0.0100	<0.0100	<0.0100	0.000153 B,J	0.0187	<0.00500	47	53	450	705
03/06/19	<0.100	0.235	<0.0100	<0.0500	0.0116 J	<0.000200	<0.100	<0.0100	55	46	460	645
10/03/19	<0.100	0.302	<0.0100	0.00840 J	0.0246 J	0.000117	<0.100	<0.0100	49.9	36	488	605
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		

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 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		

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

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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-6												
05/24/17	0.0041 J					0.00028 J		0.00031 J	0.00084	0.00027 J	0.00094	0.0021
11/29/17	0.0045 J					0.00022 J		0.00077	0.00047 J		0.0011	0.0017
07/20/18	0.0041 J											
03/07/19									0.00038 J	0.000087 J	0.000080 J	0.00033 J
Field Point MW-10												
05/24/17												
11/29/17	0.0056 J								0.00036 J			
07/20/18	0.0081 J								0.00060			
03/07/19	0.0041 J			0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J
Field Point MW-11												
05/24/17												
11/29/17	0.0067 J				0.0013 J	0.00061		0.00024 J	0.00025 J		0.0014	0.00056
07/18/18												
03/07/19												
10/03/19											0.00010 J	
Field Point MW-17												
11/29/17				0.056	0.087 J	0.0058 J	0.051		0.0070 J		0.17	0.023
07/18/18				0.047	0.057 J	0.0046 J	0.044		0.0057 J		0.094	0.012
03/06/19				0.042	0.061 J	0.0033 J	0.035		0.0052 J		0.028	0.0033 J
10/03/19				0.052	0.091	0.0053 J	0.050	0.0015 J	0.0066 J		0.14	0.013
Field Point MW-19												
05/24/17		0.0045 J		0.0068	0.0017 J	0.0022	0.0037	0.0027	0.0024	0.00079	0.020	0.021
11/29/17	0.0052 J	0.0023 J		0.0057	0.00055 J	0.0023	0.0036	0.0024	0.0023	0.00068	0.026	0.021
07/18/18	0.0042 J			0.0019		0.00022 J	0.0011	0.0010	0.0013	0.00044 J	0.0030	0.00041 J
03/05/19				0.0014	0.00012 J	0.00024 J	0.00072	0.00088	0.0013	0.00054	0.0021	0.000084 J
10/02/19				0.00023 J			0.000079 J	0.00017 J	0.00034 J	0.00021 J	0.00032 J	
Field Point MW-22												
05/24/17												
11/29/17	0.0068 J											
07/18/18												

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-22													
03/06/19													
10/03/19													
Field Point MW-26													
05/24/17			0.0011		0.00077 J						0.0014		
11/29/17											0.00045 J		
07/18/18				0.017	0.026 J	0.0050	0.017	0.0036	0.0042		0.12	0.041	
Field Point MW-27													
07/19/18	0.0045 J												
03/06/19													
10/02/19													
Field Point MW-28													
07/19/18													
03/05/19													
10/02/19													
Field Point MW-29													
07/19/18													
03/05/19													
10/02/19													
Field Point MW-30													
07/19/18													
03/05/19													
10/02/19													
Field Point MW-31													
07/19/18				0.00029 J			0.00022 J				0.0019	0.00091	
03/07/19				0.0012	0.00020 J		0.00081	0.00067	0.0019	0.00045 J	0.0057	0.0038	
10/03/19				0.00025 J			0.00015 J	0.00020 J	0.00052	0.00016 J	0.0025	0.00061	
Field Point MW-32													
07/19/18	0.0050 J			0.0054			0.00039 J	0.0014	0.0016	0.00084	0.012	0.010	
03/06/19				0.0023	0.00071 J		0.00012 J	0.00064	0.0019	0.0011	0.0012	0.0041	
10/03/19				0.0016			0.000094 J	0.00035 J	0.0017	0.0010	0.00036 J	0.00028 J	

TABLE 7

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

(EXCEPT BTEX AND FUEL OXYGENATES)

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

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

APPENDIX A

FIELD DATA SHEETS

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Austin Moore, Shawn Shanks, Clint Calip	Project Number: 013612
Gauging Instrument:	Date(s): 10/1/19

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW-19	10/1/19	14:49	44.39	39.35			
B4/MW30	10/1/19	14:53	53.79	39.39			
B3/MW29	10/1/19	14:57	53.72	39.70			
B2/MW28	10/1/19	15:02	52.71	39.89			
B1/MW27	10/1/19	15:07	53.89	39.88			
MW-26	10/1/19	15:12		41.41	39.88	1.53	
B6/MW32	10/1/19	15:18	53.38	41.55			
MW-17	10/1/19	15:23	48.22	40.34			
MW-22	10/1/19	15:27	47.61	41.18			
MW-11	10/1/19	15:31	48.03	40.86			
MW-10	10/1/19	15:36	42.98	41.58			insufficient
B5/MW-31	10/1/19	15:39	53.45	40.18			
MW-6	10/1/19	15:43	42.15	39.32			insufficient
MW-7	10/1/19	15:52	36.19				Dry
MW-4	10/1/19	16:02		37.61	37.01	.60	
MW-3	10/1/19	16:15		36.11	36.11	0	Sheen
MW-1	10/1/19	16:23		37.82	37.46	.36	
MW-16	10/1/19	16:30		39.71	39.09	.62	
MW-14	10/1/19	16:36		39.85	37.74	2.11	
MW-15	10/1/19	16:43		39.71	39.38	.33	
MW-5	10/1/19	16:50		40.11	39.14	.97	
MW-24	10/1/19	16:55		39.98	38.96	1.02	
MW-23	10/1/19	17:01		39.74	39.69	.05	
MW-21	10/1/19	17:08		40.13	39.39	.74	
MW-20	10/1/19	17:15		40.98	39.53	1.45	

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Austin Moore, Shawn Shanks, Clint Calip	Project Number: 013612
Gauging Instrument:	Date(s): 10/1/19

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW-13	10/1/19	17:21		40.24	39.21	1.03	
MW-18	10/1/19	17:26		39.88	39.48	.40	
MW-25	10/1/19	17:33		41.49	39.64	1.85	
MW-12	10/1/19	17:40		40.78	40.39	.39	
MW-9	10/1/19	17:50		41.25	40.87	.38	

Cardno Job #: 3612	Quarter: 3		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Shawn Shanks				W-42- BG/MW32
DATE: 10/2/19				
Weather: Overcast 66°				
WELL ID: BG/MW32				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
		53.38		1 deg	3%	0.1	0.3	10% or 5	10% or 5
0803	42.69		650	18.8	1.092	7.35	.50	-142.7	24.1
0813	42.54		650	19.0	1.114	7.13	.33	-143.9	0.1
0823	42.47		650	19.1	1.119	7.09	.03	-155.9	4.6
0833	42.34		660	19.2	1.124	7.16	.04	-164.6	4.9
0843	42.42		650	19.2	1.118	7.07	.05	-182	5.7
0853	42.49		650	19.0	1.121	7.06	.07	-199.6	9.4
0903	42.43		650	19.1	1.129	7.05	.05	-192.6	12.3
0913	42.32		650	19.2	1.140	7.08	.45	-195.4	15.3
0923	42.72		650	19.0	1.115	7.05	-.05	-202.1	19.6
0933	42.52		650	19.2	1.148	7.04	-.08	-222.0	24.3
0943	42.51		650	19.2	1.137	7.05	.08	-215.7	32.5
0953	42.44		650	19.3	1.147	7.04	-.09	-236.6	40.7

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	23	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.38	DTW final: 42.44
DTW initial:			0.163	DTW$_i$:	41.55	
			0.652	h:	11.83	TIME: 0955
Drawdown:			1.457	csg vol:	7.71	

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2019
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: CG			
DATE: 10-2-2019			
Weather: 70's overcast			
WELL ID: B1/MW27			

Comments: W-40 - B1/MW27

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	39.88	53.89	600	1 deg	3%	0.1	0.3	10% or 5	10% or 5
12:25	40.09			19.4	1531	7.14	4.78	305.5	36.13
12:35				19.6	1494	7.12	5.30	271.1	28.64
12:45				19.5	1495	7.12	5.30	268.8	33.97
12:55				19.2	1487	7.15	5.45	265.9	53.33
1305				19.3	1478	7.18	5.65	242.0	66.91
1315				19.3	1482	7.18	5.62	243.5	98.83
1325				19.2	1482	7.19	5.63	241.9	76.28
1335				19.3	1481	7.19	5.64	243.6	114.15
1345				19.0	1481	7.20	5.71	235.1	2.13
1355				19.2	1480	7.20	5.70	238.5	3.50
1405				19.5	1481	7.20	5.70	241.3	10.97
1415				19.4	1483	7.20	5.70	225.8	16.30
1425				19.5	1484	7.20	5.67	228.7	26.09

Depth to Pump Intake	51.89	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	27	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	40.09		Conversion	TD:	53.89	DTW final: 40.09
DTW initial:	39.88		0.163	DTW$_i$:	39.88	
			0.652	h:	14.01	TIME: 14:27
Drawdown:			1.457	csg vol:	9.13	

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2019
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: Shawn Shanks			
DATE: 10/2/2019			
Weather: Overcast 70°F			
WELL ID: B2/MW28			

Comments: W-39-B2/MW28

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
		52.71		1 deg	3%	0.1	0.3	10% or 5	10% or 5
1200	40.90		650	18.7	1.781	7.53	6.20	31.9	31.7
1210	40.89		660	19.1	1.746	7.71	6.14	2.5	30.9
1220	40.98		650	18.8	1.787	7.67	6.14	3.8	2.4
1230	41.11		650	19.6	1.786	7.62	6.19	9.0	0.8
1240	40.81		650	18.7	1.796	7.61	6.19	6.1	4.6
1250	41.02		650	18.6	1.746	7.41	6.21	20.9	12.3
1300	41.04		650	18.6	1.782	7.41	6.23	23.7	25.0
1310	41.11		650	18.6	1.787	7.43	6.29	28.6	-1.0
1320	41.11		650	18.6	1.787	7.41	6.26	32.2	-.9
1330	41.12		660	18.6	1.786	7.42	6.34	37.4	-.9

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	52.71	DTW final:
DTW initial:			0.163	DTW$_i$:	39.89	39
			0.652	h:	12.82	TIME:
Drawdown:			1.457	csg vol:	8.35	1336

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: ~~2018~~ 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-39-B4/MW30
Location: Near Tatum, NM				
Sample Technician: Shannon Sharks				
DATE: 10/2/19				
Weather: Cloudy 66°				
WELL ID: B4/MW30				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C / F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
09:50	39.45		650	19.0	1.037	7.42	8.10	-10.00	112.5
~~0900~~	~~40.09~~		650	19.3	1.144	7.39	6.73	19.1	29.3
10:16	40.23		650	19.1	1.179	7.40	6.64	24.9	45.1
10:20	39.86		650	19.3	1.196	7.52	6.79	31.4	479.3
10:30	39.79		650	19.4	1.192	7.42	6.72	24.5	192.4

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	28	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:		Conversion	TD: 53.79	DTW_{final}: 39.74	
DTW initial:		0.163	DTW_i: 39.39		
		0.652	h: 14.4	TIME: 10:37	
Drawdown:		1.457	csg vol: 9.38		

COMMENTS

Cardno Job #: 3612	Quarter: 3		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				W - 39 - B3/MW29
Sample Technician: CCY				
DATE: 10-2-2019				
Weather: 70° Overcast				
WELL ID: B3/MW29				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	39.70	53.72	475	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0920	39.84			18.8	1108	7.35	6.88	269.9	55.66
0930				18.9	1120	7.32	6.67	261.8	44.12
0940				19.3	1123	7.35	6.91	237.9	38.44
0950				19.4	1109	7.34	6.79	248.7	39.98
1000				19.0	1108	7.34	6.85	246.6	79.74
1010				18.7	1125	7.31	6.83	250.2	84.9
1020				18.3	1165	7.29	6.80	255.5	95.16
1030				19.0	1167	7.30	6.88	254.6	128.77
1040				19.2	1144	7.31	6.93	237.7	22.22
1050				18.9	1138	7.31	7.08	241.1	6.08
1100	39.93			18.9	1147	7.31	7.05	250.5	33.40
1110				18.5	1153	7.29	7.07	246.8	88.3
				18.9	1167	7.28	7.09	243.5	140.86

Depth to Pump Intake	53.72 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	27 Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	39.93		Conversion	TD:	53.72	DTW $_{final}$:
DTW initial:	39.70		0.163	DTW$_i$:	39.70	39.93
			0.652	h:	14.02	TIME:
Drawdown:			1.457	csg vol:	9.14	1112

COMMENTS

Cardno Job #: 3612	Quarter: 3		Year: ~~2018~~ 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-43-MW19
Location: Near Tatum, NM				
Sample Technician: Shawn Shanks				
DATE: 10/2/19				
Weather: Cloudy 66°F				
WELL ID: MW19				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
0812	41.69		650	18.8	0.974	7.40	0.11	-279.2	3.6
0822	43.78		650	19.0	.982	7.63	4.01	-97	23.2
0832	43.38		650	20.1	6.4	7.74	7.79	-47.11	12.2
0842	43.58		650	20.7	0.978	7.52	4.03	-69.3	8.3
0852	43.62		650	19.3	.979	7.53	4.12	-69.3	9.1
0902	43.75		650	19.9	.991	7.55	4.71	-71.2	8.2
0912	44.01		650	19.9	.992	7.61	5.01	-74.1	10.1

Depth to Pump Intake	42	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	9	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	44.39	DTW_{final}: 43.41
DTW initial:			0.163	DTW_i:	39.35	
			0.652	h:	5.04	TIME: 09:36
Drawdown:			1.457	csg vol:	3.96	

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2018	Comments
Client/Site: ExxonMobil / Gladiola Station				W-41 - MW11
Location: Near Tatum, NM				
Sample Technician: Shawn Shawks				
DATE: 10.3.19				
Weather: Windy 64°F				
WELL ID: MW11				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity	
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU	
		49.03		1 deg	3%	0.1	0.3	10% or 5	10% or 5	
1245	41.95		650	18.6	1.653	7.08	2.77	111.5	3.9	
1255	42.52		650	19.8	1.665	7.09	2.70	41.7	0.4	
1305	41.61		650	19.9	1.691	7.22	2.41	-3.2	[illegible]	-0.4
1315	42.24		650	19.0	1.669	7.12	2.18	4.6	-0.7	
1325	42.09		650	19.2	1.658	7.09	2.20	-7.1	-0.6	
1335	41.99		650	19.2	1.645	7.08	2.04	-13.8	-0.7	
1345	42.22		650	19.1	1.628	7.15	2.22	-4.1	-0.9	
1356	41.58		650	19.8	1.631	7.68	[illegible]	-2.1	-0.5	
							2.60			

Depth to Pump Intake	40	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	14	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	49.03	DTW_{final}: 41.71
DTW initial:			0.163	DTW_i:	40.46	
			0.652	h:	7.17	TIME: 1400
Drawdown:			1.457	csg vol:	4.67	

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2019	Comments
Client/Site: ExxonMobil / Gladiola Station				W-42-MW17
Location: Near Tatum, NM				
Sample Technician: Shawn Shanks				
DATE: 10/3/19				
Weather: Overcast 64°F				
WELL ID: MW17				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
		48.22		1 deg	3%	0.1	0.3	10% or 5	10% or 5
1036	41.79		650	19.1	1.651	7.24	6.14	-106.7	50.9
1042	41.93		650	19.1	1.648	7.26	3.93	-100.6	44.7
1054	42.03		650	19.9	1.554	7.26	3.47	-129.7	-0.5
1108	43.54		650	19.1	1.528	7.31	1.07	-115.9	-1.4
1114	41.23		650	19.8	1.617	7.24	0.31	-147.9	-0.7
1126	41.93		650	19.7	1.521	7.25	2.17	-143.7	.5
1139	43.29		650	19.0	1.459	7.27	3.24	-107.8	26.9
1146	43.57		650	19.1	1.469	7.28	2.64	-114.0	0.9

Depth to Pump Intake	46	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	15	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	48.22	DTW final: 42.79
DTW initial:			0.163	DTW$_i$:	40.34	
			0.652	h:	7.88	TIME: 1151
Drawdown:			1.457	csg vol:	5.13	

COMMENTS

Cardno Job #: 3612	Quarter: 4		Year: 2018	Comments
Client/Site: ExxonMobil / Gladiola Station				MW6
Location: Near Tatum, NM				
Sample Technician: Austin Moore				
DATE: 10/3/19				
Weather: overcast				
WELL ID: MW6				

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

Depth to Pump Intake		Feet	1000 mL = 1 Liter
Total Purge Volume	1.38	Gallons	Liters

1 gallon = 3.785 Liters

GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	48.15	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	39.32	
			0.652	h:	2.83	TIME:
Drawdown:			1.457	csg vol:	.461	

COMMENTS

insufficient water (2")

Cardno Job #: 3612	Quarter: 4		Year: 2018	Comments
Client/Site: ExxonMobil / Gladiola Station				MW10
Location: Near Tatum, NM				
Sample Technician: Austin Moore				
DATE: 10/3/19				
Weather: Overcast				
WELL ID: MW10				

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

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	42.98	DTW_{final}:
DTW initial:			0.163	DTW_i:	41.58	
			0.652	h:	1.4	TIME:
Drawdown:			1.457	csg vol:	.68	

COMMENTS 2"

Not enough water. (insufficient)

Cardno Job #: 3612	Quarter: 4		Year: ~~2018~~ 2019
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: CC / SS			
DATE: 10-3-2019			
Weather: High 60's Overcast			
WELL ID: MW 22			

Comments: W-42-MW22

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C / F	µS/cm	unit	mg/L	mV	NTU
	47.18	47.61	600	1 deg	3%	0.1	0.3	10% or 5	10% or 5
0835				18.8	995	7.36	4.03	286.3	3.65
0845				18.7	995	7.36	3.86	207.3	2.20
0855	42.36			18.9	995	7.36	3.78	214.7	1.91
0905				19.2	991	7.34	3.44	210.9	1.78
0915				19.0	990	7.32	2.91	186.5	1.64
0925				19.1	988	7.33	2.45	144.4	1.56
0935				19.1	983	7.30	2.21	172.6	1.84
0945	42.41			18.5	983	7.29	2.18	164.9	1.68

Depth to Pump Intake	45.61	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	13	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:	42.41		Conversion	TD:	47.61	DTW final: 42.41
DTW initial:	41.18		0.163	DTW$_i$:	41.18	
			0.652	h:	6.43	TIME: 0947
Drawdown:			1.457	csg vol:	4.19	

COMMENTS

Cardno Job #: 3612	Quarter: 3	Year: ~~2018~~ 2019	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: CC			W - 40 - BS/MW31
DATE: 10-3-19			
Weather: High 60's Cloudy Overcast			
WELL ID: BS/MW31			

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU
	40.16	53.45	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1025	40.16			19.2	1064	6.6	-0.02	203.3	2.34
1035				18.6	1066	7.02	-0.09	93.6	1.62
1045				14.8	1084	7.00	-0.03	96.7	1.50
1055				14.7	1087	7.00	0.03	72.2	1.48
1105				18.7	1090	7.1	0.11	50.7	1.55
1115				18.9	1093	7.0	0.16	48.7	1.52
1125				18.5	1084	7.0	0.23	28.1	1.54
1135				18.8	1104	6.99	0.32	50.3	1.43
1145				14.9	1104	6.99	0.44	70.0	1.53
1155				19.0	1107	6.99	0.51	72.9	1.56
1205				18.9	1111	6.99	0.57	79.0	1.60
1215				18.5	1106	6.99	0.64	64.8	1.64
1225				19.2	1124	6.99	0.59	76.9	1.73
1235				19.2	1118	6.9	0.71	90.9	1.68
1245				19.1	1118	6.7	0.77	92.1	1.76

Depth to Pump Intake	51.45	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	26	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	40.74	Conversion	TD:	53.46	DTW $_{final}$: 40.74
DTW initial:	40.18	0.163	DTW$_i$:	40.18	
		0.652	h:	13.27	TIME: 12:48
Drawdown:		1.457	csg vol:	8.65	

COMMENTS

APPENDIX B

LABORATORY ANALYTICAL REPORTS

eurofins | Calscience

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-9077-1
Client Project/Site: ExxonMobil Gladiola Station/3612
Revision: 1

For:
Cardno, Inc
20505 Crescent Bay Drive
Lake Forest, California 92630

Attn: Dave Purdy

Cecile de Guia

Authorized for release by:
10/22/2019 10:53:23 AM

Cecile de Guia, Project Manager I
(714)895-5494
ceciledeguia@eurofinsus.com

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory Job ID: 570-9077-1

Table of Contents

Sample Summary

Client: Cardno, Inc
Job ID: 570-9077-1
Project/Site: ExxonMobil Gladiola Station/3612

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-9077-1	W-43-MW19	Water	10/02/19 09:36	10/03/19 16:25	
570-9077-2	W-39-B4/MW30	Water	10/02/19 10:37	10/03/19 16:25	
570-9077-3	W-39-B3/MW29	Water	10/02/19 11:12	10/03/19 16:25	
570-9077-4	W-39-B2/MW28	Water	10/02/19 13:36	10/03/19 16:25	
570-9077-5	W-40-B1/M27	Water	10/02/19 14:27	10/03/19 16:25	
570-9077-6	Trip Blank	Water	10/02/19 14:12	10/03/19 16:25	

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-9077-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Job ID: 570-9077-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-9077-1

Comments
Note that the report has been amended to report the untis for EPA 8260B adn EPA 8270C in mg/L.
No additional comments.

Receipt
The samples were received on 10/3/2019 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.0º C and 3.2º C.

Receipt Exceptions

One of two 1-liter amber glass container unpreserved received broken. W-40-B1/M27 (570-9077-5).

GC/MS VOA
Method 8260B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-25420 were outside control limits: (570-8936-B-2 MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-23885. LCS/LCSD was performed to meet QC requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-43-MW19 — Lab Sample ID: 570-9077-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00019	J	0.00050	0.000072	mg/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.00032	J	0.00050	0.000068	mg/L	1		8260B	Total/NA
Isopropylbenzene	0.00023	J	0.00050	0.000077	mg/L	1		8260B	Total/NA
N-Propylbenzene	0.000079	J	0.00050	0.000076	mg/L	1		8260B	Total/NA
p-Isopropyltoluene	0.00017	J	0.00050	0.000074	mg/L	1		8260B	Total/NA
sec-Butylbenzene	0.00034	J	0.00050	0.000095	mg/L	1		8260B	Total/NA
tert-Butylbenzene	0.00021	J	0.00050	0.000082	mg/L	1		8260B	Total/NA
Trichloroethene	0.00022	J	0.00050	0.00010	mg/L	1		8260B	Total/NA
Fluorene	0.00037		0.00019	0.000012	mg/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.000063	J	0.00019	0.000010	mg/L	1		8270C SIM	Total/NA
Naphthalene	0.000079	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Phenanthrene	0.000075	J	0.00019	0.0000049	mg/L	1		8270C SIM	Total/NA
Sulfate	100		2.0	0.98	mg/L	2		300.0	Total/NA
Barium	0.0477		0.0100	0.00308	mg/L	1		6010B	Total/NA
Chromium	0.00788	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Mercury	0.0000658		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	325		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	515		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	36.2		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

Client Sample ID: W-39-B4/MW30 — Lab Sample ID: 570-9077-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	84		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0441		0.0100	0.00308	mg/L	1		6010B	Total/NA
Chromium	0.00705	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Lead	0.0138	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Mercury	0.000161		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	172		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	715		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	197		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

Client Sample ID: W-39-B3/MW29 — Lab Sample ID: 570-9077-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	88		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0434		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0146	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Mercury	0.000105		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	182		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	630		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	177		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

Client Sample ID: W-39-B2/MW28 — Lab Sample ID: 570-9077-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	380		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0607		0.0100	0.00308	mg/L	1		6010B	Total/NA
Chromium	0.0120	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Lead	0.0156	J	0.0500	0.00821	mg/L	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B2/MW28 (Continued) — Lab Sample ID: 570-9077-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.000112		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	154		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	955		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	207		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

Client Sample ID: W-40-B1/M27 — Lab Sample ID: 570-9077-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	110		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0377		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0138	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Mercury	0.000102		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	176		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	815		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	278		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-9077-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone	0.0028	J	0.0050	0.00046	mg/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-43-MW19

Date Collected: 10/02/19 09:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00019**	**J**	0.00050	0.000072	mg/L			10/11/19 22:10	1
Toluene	ND		0.00050	0.000093	mg/L			10/11/19 22:10	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/11/19 22:10	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/11/19 22:10	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/11/19 22:10	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/11/19 22:10	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/11/19 22:10	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/11/19 22:10	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/11/19 22:10	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/11/19 22:10	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/11/19 22:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/11/19 22:10	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/11/19 22:10	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 22:10	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/11/19 22:10	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/11/19 22:10	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/11/19 22:10	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/11/19 22:10	1
1,2,4-Trimethylbenzene	**0.00032**	**J**	0.00050	0.000068	mg/L			10/11/19 22:10	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/11/19 22:10	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/11/19 22:10	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/11/19 22:10	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/11/19 22:10	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/11/19 22:10	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/11/19 22:10	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/11/19 22:10	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/11/19 22:10	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/11/19 22:10	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/11/19 22:10	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/11/19 22:10	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/11/19 22:10	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/11/19 22:10	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/11/19 22:10	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/11/19 22:10	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/11/19 22:10	1
Acetone	ND		0.010	0.0040	mg/L			10/11/19 22:10	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/11/19 22:10	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/11/19 22:10	1
Bromoform	ND		0.00050	0.000096	mg/L			10/11/19 22:10	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/11/19 22:10	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/11/19 22:10	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/11/19 22:10	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/11/19 22:10	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/11/19 22:10	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/11/19 22:10	1
Chloroform	ND		0.00050	0.000062	mg/L			10/11/19 22:10	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/11/19 22:10	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/11/19 22:10	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/11/19 22:10	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-43-MW19
Date Collected: 10/02/19 09:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/11/19 22:10	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/11/19 22:10	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/11/19 22:10	1
Isopropylbenzene	**0.00023**	**J**	0.00050	0.000077	mg/L			10/11/19 22:10	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/11/19 22:10	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/11/19 22:10	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/11/19 22:10	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/11/19 22:10	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/11/19 22:10	1
N-Propylbenzene	**0.000079**	**J**	0.00050	0.000076	mg/L			10/11/19 22:10	1
p-Isopropyltoluene	**0.00017**	**J**	0.00050	0.000074	mg/L			10/11/19 22:10	1
sec-Butylbenzene	**0.00034**	**J**	0.00050	0.000095	mg/L			10/11/19 22:10	1
Styrene	ND		0.00050	0.000059	mg/L			10/11/19 22:10	1
tert-Butylbenzene	**0.00021**	**J**	0.00050	0.000082	mg/L			10/11/19 22:10	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/11/19 22:10	1
Trichloroethene	**0.00022**	**J**	0.00050	0.00010	mg/L			10/11/19 22:10	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/11/19 22:10	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/11/19 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 128*		*10/11/19 22:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 120*		*10/11/19 22:10*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 127*		*10/11/19 22:10*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/11/19 22:10*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 12:22	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 12:22	1
Anthracene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 12:22	1
Benzo[a]anthracene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 12:22	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/04/19 15:04	10/07/19 12:22	1
Benzo[b]fluoranthene	ND		0.00019	0.000022	mg/L		10/04/19 15:04	10/07/19 12:22	1
Benzo[g,h,i]perylene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 12:22	1
Benzo[k]fluoranthene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 12:22	1
Chrysene	ND		0.00019	0.000022	mg/L		10/04/19 15:04	10/07/19 12:22	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/04/19 15:04	10/07/19 12:22	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 12:22	1
Fluorene	**0.00037**		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 12:22	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 12:22	1
1-Methylnaphthalene	**0.000063**	**J**	0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 12:22	1
2-Methylnaphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 12:22	1
Naphthalene	**0.000079**	**J**	0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 12:22	1
Phenanthrene	**0.000075**	**J**	0.00019	0.0000049	mg/L		10/04/19 15:04	10/07/19 12:22	1
Pyrene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 12:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*90*		*33 - 144*	*10/04/19 15:04*	*10/07/19 12:22*	*1*
Nitrobenzene-d5 (Surr)	*71*		*28 - 139*	*10/04/19 15:04*	*10/07/19 12:22*	*1*
p-Terphenyl-d14 (Surr)	*99*		*23 - 160*	*10/04/19 15:04*	*10/07/19 12:22*	*1*

Client Sample Results

Client: Cardno, Inc
Job ID: 570-9077-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-43-MW19
Lab Sample ID: 570-9077-1
Date Collected: 10/02/19 09:36
Matrix: Water
Date Received: 10/03/19 16:25

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**100**		2.0	0.98	mg/L			10/03/19 22:37	2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/10/19 03:11	1
Barium	**0.0477**		0.0100	0.00308	mg/L		10/09/19 12:00	10/10/19 03:11	1
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/10/19 03:11	1
Chromium	**0.00788**	**J**	0.0500	0.00688	mg/L		10/09/19 12:00	10/10/19 03:11	1
Lead	ND		0.0500	0.00821	mg/L		10/09/19 12:00	10/10/19 03:11	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/10/19 03:11	1
Silver	ND		0.0100	0.00298	mg/L		10/09/19 12:00	10/10/19 03:11	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000658**		0.0000500	0.0000321	mg/L		10/14/19 11:45	10/16/19 12:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**325**		5.00	1.69	mg/L			10/04/19 19:02	1
Total Dissolved Solids	**515**		1.00	0.870	mg/L			10/04/19 18:00	1
Chloride	**36.2**		20.0	5.94	mg/L			10/08/19 15:30	10

Client Sample ID: W-39-B4/MW30
Lab Sample ID: 570-9077-2
Date Collected: 10/02/19 10:37
Matrix: Water
Date Received: 10/03/19 16:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/11/19 22:39	1
Toluene	ND		0.00050	0.000093	mg/L			10/11/19 22:39	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/11/19 22:39	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/11/19 22:39	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/11/19 22:39	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/11/19 22:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/11/19 22:39	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/11/19 22:39	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/11/19 22:39	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/11/19 22:39	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/11/19 22:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/11/19 22:39	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/11/19 22:39	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 22:39	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/11/19 22:39	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/11/19 22:39	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/11/19 22:39	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/11/19 22:39	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/11/19 22:39	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/11/19 22:39	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/11/19 22:39	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/11/19 22:39	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/11/19 22:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B4/MW30

Date Collected: 10/02/19 10:37
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/11/19 22:39	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/11/19 22:39	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/11/19 22:39	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/11/19 22:39	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/11/19 22:39	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/11/19 22:39	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/11/19 22:39	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/11/19 22:39	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/11/19 22:39	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/11/19 22:39	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/11/19 22:39	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/11/19 22:39	1
Acetone	ND		0.010	0.0040	mg/L			10/11/19 22:39	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/11/19 22:39	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/11/19 22:39	1
Bromoform	ND		0.00050	0.000096	mg/L			10/11/19 22:39	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/11/19 22:39	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/11/19 22:39	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/11/19 22:39	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/11/19 22:39	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/11/19 22:39	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/11/19 22:39	1
Chloroform	ND		0.00050	0.000062	mg/L			10/11/19 22:39	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/11/19 22:39	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/11/19 22:39	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/11/19 22:39	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/11/19 22:39	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/11/19 22:39	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/11/19 22:39	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/11/19 22:39	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/11/19 22:39	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/11/19 22:39	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/11/19 22:39	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/11/19 22:39	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/11/19 22:39	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/11/19 22:39	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/11/19 22:39	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/11/19 22:39	1
Styrene	ND		0.00050	0.000059	mg/L			10/11/19 22:39	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/11/19 22:39	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/11/19 22:39	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 22:39	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/11/19 22:39	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/11/19 22:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 128*		*10/11/19 22:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*		*10/11/19 22:39*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 127*		*10/11/19 22:39*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/11/19 22:39*	*1*

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B4/MW30

Date Collected: 10/02/19 10:37
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-2

Matrix: Water

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 17:32	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 17:32	1
Anthracene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 17:32	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 17:32	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/04/19 15:04	10/07/19 17:32	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 17:32	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/04/19 15:04	10/07/19 17:32	1
Benzo[k]fluoranthene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 17:32	1
Chrysene	ND		0.00019	0.000022	mg/L		10/04/19 15:04	10/07/19 17:32	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/04/19 15:04	10/07/19 17:32	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 17:32	1
Fluorene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 17:32	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 17:32	1
1-Methylnaphthalene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 17:32	1
2-Methylnaphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 17:32	1
Naphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 17:32	1
Phenanthrene	ND		0.00019	0.0000048	mg/L		10/04/19 15:04	10/07/19 17:32	1
Pyrene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*86*		*33 - 144*	*10/04/19 15:04*	*10/07/19 17:32*	*1*
Nitrobenzene-d5 (Surr)	*65*		*28 - 139*	*10/04/19 15:04*	*10/07/19 17:32*	*1*
p-Terphenyl-d14 (Surr)	*90*		*23 - 160*	*10/04/19 15:04*	*10/07/19 17:32*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**84**		10	4.9	mg/L			10/03/19 21:15	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/10/19 03:21	1
Barium	**0.0441**		0.0100	0.00308	mg/L		10/09/19 12:00	10/10/19 14:59	1
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/10/19 03:21	1
Chromium	**0.00705**	**J**	0.0500	0.00688	mg/L		10/09/19 12:00	10/10/19 03:21	1
Lead	**0.0138**	**J**	0.0500	0.00821	mg/L		10/09/19 12:00	10/10/19 03:21	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/10/19 03:21	1
Silver	ND		0.0100	0.00298	mg/L		10/09/19 12:00	10/10/19 03:21	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000161**		0.0000500	0.0000321	mg/L		10/14/19 11:45	10/16/19 12:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**172**		5.00	1.69	mg/L			10/04/19 19:15	1
Total Dissolved Solids	**715**		1.00	0.870	mg/L			10/04/19 18:00	1
Chloride	**197**		20.0	5.94	mg/L			10/08/19 15:30	10

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B3/MW29

Date Collected: 10/02/19 11:12
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/11/19 23:09	1
Toluene	ND		0.00050	0.000093	mg/L			10/11/19 23:09	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/11/19 23:09	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/11/19 23:09	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/11/19 23:09	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/11/19 23:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/11/19 23:09	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/11/19 23:09	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/11/19 23:09	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/11/19 23:09	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/11/19 23:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/11/19 23:09	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/11/19 23:09	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 23:09	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/11/19 23:09	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/11/19 23:09	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/11/19 23:09	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/11/19 23:09	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/11/19 23:09	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/11/19 23:09	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/11/19 23:09	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/11/19 23:09	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/11/19 23:09	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/11/19 23:09	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/11/19 23:09	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/11/19 23:09	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/11/19 23:09	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/11/19 23:09	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/11/19 23:09	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/11/19 23:09	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/11/19 23:09	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/11/19 23:09	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/11/19 23:09	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/11/19 23:09	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/11/19 23:09	1
Acetone	ND		0.010	0.0040	mg/L			10/11/19 23:09	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/11/19 23:09	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/11/19 23:09	1
Bromoform	ND		0.00050	0.000096	mg/L			10/11/19 23:09	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/11/19 23:09	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/11/19 23:09	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/11/19 23:09	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/11/19 23:09	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/11/19 23:09	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/11/19 23:09	1
Chloroform	ND		0.00050	0.000062	mg/L			10/11/19 23:09	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/11/19 23:09	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/11/19 23:09	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/11/19 23:09	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B3/MW29

Date Collected: 10/02/19 11:12
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/11/19 23:09	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/11/19 23:09	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/11/19 23:09	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/11/19 23:09	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/11/19 23:09	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/11/19 23:09	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/11/19 23:09	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/11/19 23:09	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/11/19 23:09	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/11/19 23:09	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/11/19 23:09	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/11/19 23:09	1
Styrene	ND		0.00050	0.000059	mg/L			10/11/19 23:09	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/11/19 23:09	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/11/19 23:09	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 23:09	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/11/19 23:09	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/11/19 23:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 128*		*10/11/19 23:09*	*1*
4-Bromofluorobenzene (Surr)	*100*		*68 - 120*		*10/11/19 23:09*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 127*		*10/11/19 23:09*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/11/19 23:09*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:01	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 13:01	1
Anthracene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 13:01	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:01	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/04/19 15:04	10/07/19 13:01	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:01	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/04/19 15:04	10/07/19 13:01	1
Benzo[k]fluoranthene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 13:01	1
Chrysene	ND		0.00019	0.000022	mg/L		10/04/19 15:04	10/07/19 13:01	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/04/19 15:04	10/07/19 13:01	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 13:01	1
Fluorene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:01	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:01	1
1-Methylnaphthalene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 13:01	1
2-Methylnaphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:01	1
Naphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:01	1
Phenanthrene	ND		0.00019	0.0000048	mg/L		10/04/19 15:04	10/07/19 13:01	1
Pyrene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*91*		*33 - 144*	*10/04/19 15:04*	*10/07/19 13:01*	*1*
Nitrobenzene-d5 (Surr)	*77*		*28 - 139*	*10/04/19 15:04*	*10/07/19 13:01*	*1*
p-Terphenyl-d14 (Surr)	*101*		*23 - 160*	*10/04/19 15:04*	*10/07/19 13:01*	*1*

Client Sample Results

Client: Cardno, Inc
Job ID: 570-9077-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-39-B3/MW29
Lab Sample ID: 570-9077-3
Date Collected: 10/02/19 11:12
Matrix: Water
Date Received: 10/03/19 16:25

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**88**		10	4.9	mg/L			10/03/19 21:36	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/10/19 03:23	1
Barium	**0.0434**		0.0100	0.00308	mg/L		10/09/19 12:00	10/10/19 15:01	1
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/10/19 03:23	1
Chromium	ND		0.0500	0.00688	mg/L		10/09/19 12:00	10/10/19 03:23	1
Lead	**0.0146**	**J**	0.0500	0.00821	mg/L		10/09/19 12:00	10/10/19 03:23	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/10/19 03:23	1
Silver	ND		0.0100	0.00298	mg/L		10/09/19 12:00	10/10/19 03:23	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000105**		0.0000500	0.0000321	mg/L		10/14/19 11:45	10/16/19 12:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**182**		5.00	1.69	mg/L			10/04/19 19:21	1
Total Dissolved Solids	**630**		1.00	0.870	mg/L			10/04/19 18:00	1
Chloride	**177**		20.0	5.94	mg/L			10/08/19 15:30	10

Client Sample ID: W-39-B2/MW28
Lab Sample ID: 570-9077-4
Date Collected: 10/02/19 13:36
Matrix: Water
Date Received: 10/03/19 16:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/11/19 23:39	1
Toluene	ND		0.00050	0.000093	mg/L			10/11/19 23:39	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/11/19 23:39	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/11/19 23:39	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/11/19 23:39	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/11/19 23:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/11/19 23:39	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/11/19 23:39	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/11/19 23:39	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/11/19 23:39	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/11/19 23:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/11/19 23:39	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/11/19 23:39	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 23:39	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/11/19 23:39	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/11/19 23:39	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/11/19 23:39	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/11/19 23:39	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/11/19 23:39	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/11/19 23:39	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/11/19 23:39	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/11/19 23:39	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/11/19 23:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B2/MW28
Date Collected: 10/02/19 13:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/11/19 23:39	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/11/19 23:39	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/11/19 23:39	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/11/19 23:39	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/11/19 23:39	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/11/19 23:39	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/11/19 23:39	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/11/19 23:39	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/11/19 23:39	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/11/19 23:39	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/11/19 23:39	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/11/19 23:39	1
Acetone	ND		0.010	0.0040	mg/L			10/11/19 23:39	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/11/19 23:39	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/11/19 23:39	1
Bromoform	ND		0.00050	0.000096	mg/L			10/11/19 23:39	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/11/19 23:39	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/11/19 23:39	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/11/19 23:39	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/11/19 23:39	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/11/19 23:39	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/11/19 23:39	1
Chloroform	ND		0.00050	0.000062	mg/L			10/11/19 23:39	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/11/19 23:39	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/11/19 23:39	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/11/19 23:39	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/11/19 23:39	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/11/19 23:39	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/11/19 23:39	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/11/19 23:39	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/11/19 23:39	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/11/19 23:39	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/11/19 23:39	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/11/19 23:39	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/11/19 23:39	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/11/19 23:39	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/11/19 23:39	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/11/19 23:39	1
Styrene	ND		0.00050	0.000059	mg/L			10/11/19 23:39	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/11/19 23:39	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/11/19 23:39	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 23:39	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/11/19 23:39	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/11/19 23:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 128*		*10/11/19 23:39*	*1*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*		*10/11/19 23:39*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 127*		*10/11/19 23:39*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/11/19 23:39*	*1*

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B2/MW28

Date Collected: 10/02/19 13:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-4

Matrix: Water

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:20	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 13:20	1
Anthracene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 13:20	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:20	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/04/19 15:04	10/07/19 13:20	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:20	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/04/19 15:04	10/07/19 13:20	1
Benzo[k]fluoranthene	ND		0.00019	0.0000099	mg/L		10/04/19 15:04	10/07/19 13:20	1
Chrysene	ND		0.00019	0.000022	mg/L		10/04/19 15:04	10/07/19 13:20	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/04/19 15:04	10/07/19 13:20	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 13:20	1
Fluorene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:20	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:20	1
1-Methylnaphthalene	ND		0.00019	0.0000099	mg/L		10/04/19 15:04	10/07/19 13:20	1
2-Methylnaphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:20	1
Naphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:20	1
Phenanthrene	ND		0.00019	0.0000048	mg/L		10/04/19 15:04	10/07/19 13:20	1
Pyrene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*106*		*33 - 144*	*10/04/19 15:04*	*10/07/19 13:20*	*1*
Nitrobenzene-d5 (Surr)	*78*		*28 - 139*	*10/04/19 15:04*	*10/07/19 13:20*	*1*
p-Terphenyl-d14 (Surr)	*106*		*23 - 160*	*10/04/19 15:04*	*10/07/19 13:20*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**380**		10	4.9	mg/L			10/03/19 21:56	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/10/19 03:25	1
Barium	**0.0607**		0.0100	0.00308	mg/L		10/09/19 12:00	10/10/19 15:03	1
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/10/19 03:25	1
Chromium	**0.0120**	**J**	0.0500	0.00688	mg/L		10/09/19 12:00	10/10/19 03:25	1
Lead	**0.0156**	**J**	0.0500	0.00821	mg/L		10/09/19 12:00	10/10/19 03:25	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/10/19 03:25	1
Silver	ND		0.0100	0.00298	mg/L		10/09/19 12:00	10/10/19 03:25	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000112**		0.0000500	0.0000321	mg/L		10/14/19 11:45	10/16/19 12:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**154**		5.00	1.69	mg/L			10/04/19 19:27	1
Total Dissolved Solids	**955**		1.00	0.870	mg/L			10/04/19 18:00	1
Chloride	**207**		20.0	5.94	mg/L			10/08/19 15:30	10

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-40-B1/M27

Date Collected: 10/02/19 14:27
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/12/19 00:08	1
Toluene	ND		0.00050	0.000093	mg/L			10/12/19 00:08	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/12/19 00:08	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/12/19 00:08	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/12/19 00:08	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/12/19 00:08	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/12/19 00:08	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/12/19 00:08	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/12/19 00:08	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/12/19 00:08	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/12/19 00:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/12/19 00:08	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/12/19 00:08	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/12/19 00:08	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/12/19 00:08	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/12/19 00:08	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/12/19 00:08	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/12/19 00:08	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/12/19 00:08	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/12/19 00:08	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/12/19 00:08	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/12/19 00:08	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/12/19 00:08	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/12/19 00:08	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/12/19 00:08	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/12/19 00:08	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/12/19 00:08	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/12/19 00:08	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/12/19 00:08	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/12/19 00:08	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/12/19 00:08	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/12/19 00:08	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/12/19 00:08	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/12/19 00:08	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/12/19 00:08	1
Acetone	ND		0.010	0.0040	mg/L			10/12/19 00:08	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/12/19 00:08	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/12/19 00:08	1
Bromoform	ND		0.00050	0.000096	mg/L			10/12/19 00:08	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/12/19 00:08	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/12/19 00:08	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/12/19 00:08	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/12/19 00:08	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/12/19 00:08	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/12/19 00:08	1
Chloroform	ND		0.00050	0.000062	mg/L			10/12/19 00:08	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/12/19 00:08	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/12/19 00:08	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/12/19 00:08	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-40-B1/M27

Date Collected: 10/02/19 14:27
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/12/19 00:08	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/12/19 00:08	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/12/19 00:08	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/12/19 00:08	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/12/19 00:08	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/12/19 00:08	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/12/19 00:08	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/12/19 00:08	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/12/19 00:08	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/12/19 00:08	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/12/19 00:08	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/12/19 00:08	1
Styrene	ND		0.00050	0.000059	mg/L			10/12/19 00:08	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/12/19 00:08	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/12/19 00:08	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/12/19 00:08	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/12/19 00:08	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/12/19 00:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*80 - 128*		*10/12/19 00:08*	*1*
4-Bromofluorobenzene (Surr)	*100*		*68 - 120*		*10/12/19 00:08*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 127*		*10/12/19 00:08*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/12/19 00:08*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:39	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/04/19 15:04	10/07/19 13:39	1
Anthracene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 13:39	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:39	1
Benzo[a]pyrene	ND		0.00019	0.000017	mg/L		10/04/19 15:04	10/07/19 13:39	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:39	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/04/19 15:04	10/07/19 13:39	1
Benzo[k]fluoranthene	ND		0.00019	0.0000099	mg/L		10/04/19 15:04	10/07/19 13:39	1
Chrysene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:39	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/04/19 15:04	10/07/19 13:39	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/04/19 15:04	10/07/19 13:39	1
Fluorene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:39	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/04/19 15:04	10/07/19 13:39	1
1-Methylnaphthalene	ND		0.00019	0.0000099	mg/L		10/04/19 15:04	10/07/19 13:39	1
2-Methylnaphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:39	1
Naphthalene	ND		0.00019	0.000013	mg/L		10/04/19 15:04	10/07/19 13:39	1
Phenanthrene	ND		0.00019	0.0000048	mg/L		10/04/19 15:04	10/07/19 13:39	1
Pyrene	ND		0.00019	0.000012	mg/L		10/04/19 15:04	10/07/19 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*105*		*33 - 144*	*10/04/19 15:04*	*10/07/19 13:39*	*1*
Nitrobenzene-d5 (Surr)	*78*		*28 - 139*	*10/04/19 15:04*	*10/07/19 13:39*	*1*
p-Terphenyl-d14 (Surr)	*108*		*23 - 160*	*10/04/19 15:04*	*10/07/19 13:39*	*1*

Client Sample Results

Client: Cardno, Inc
Job ID: 570-9077-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-40-B1/M27
Lab Sample ID: 570-9077-5
Date Collected: 10/02/19 14:27
Matrix: Water
Date Received: 10/03/19 16:25

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**110**		10	4.9	mg/L			10/03/19 22:16	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/10/19 03:27	1
Barium	**0.0377**		0.0100	0.00308	mg/L		10/09/19 12:00	10/10/19 15:06	1
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/10/19 03:27	1
Chromium	ND		0.0500	0.00688	mg/L		10/09/19 12:00	10/10/19 03:27	1
Lead	**0.0138**	**J**	0.0500	0.00821	mg/L		10/09/19 12:00	10/10/19 03:27	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/10/19 03:27	1
Silver	ND		0.0100	0.00298	mg/L		10/09/19 12:00	10/10/19 03:27	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000102**		0.0000500	0.0000321	mg/L		10/14/19 11:45	10/16/19 13:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**176**		5.00	1.69	mg/L			10/04/19 19:34	1
Total Dissolved Solids	**815**		1.00	0.870	mg/L			10/04/19 18:00	1
Chloride	**278**		20.0	5.94	mg/L			10/08/19 15:30	10

Client Sample ID: Trip Blank
Lab Sample ID: 570-9077-6
Date Collected: 10/02/19 14:12
Matrix: Water
Date Received: 10/03/19 16:25

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/12/19 00:38	1
Toluene	ND		0.00050	0.000093	mg/L			10/12/19 00:38	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/12/19 00:38	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/12/19 00:38	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/12/19 00:38	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/12/19 00:38	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/12/19 00:38	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/12/19 00:38	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/12/19 00:38	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/12/19 00:38	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/12/19 00:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/12/19 00:38	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/12/19 00:38	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/12/19 00:38	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/12/19 00:38	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/12/19 00:38	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/12/19 00:38	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/12/19 00:38	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/12/19 00:38	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/12/19 00:38	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/12/19 00:38	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/12/19 00:38	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/12/19 00:38	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: Trip Blank

Date Collected: 10/02/19 14:12
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/12/19 00:38	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/12/19 00:38	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/12/19 00:38	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/12/19 00:38	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/12/19 00:38	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/12/19 00:38	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/12/19 00:38	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/12/19 00:38	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/12/19 00:38	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/12/19 00:38	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/12/19 00:38	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/12/19 00:38	1
Acetone	ND		0.010	0.0040	mg/L			10/12/19 00:38	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/12/19 00:38	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/12/19 00:38	1
Bromoform	ND		0.00050	0.000096	mg/L			10/12/19 00:38	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/12/19 00:38	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/12/19 00:38	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/12/19 00:38	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/12/19 00:38	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/12/19 00:38	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/12/19 00:38	1
Chloroform	ND		0.00050	0.000062	mg/L			10/12/19 00:38	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/12/19 00:38	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/12/19 00:38	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/12/19 00:38	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/12/19 00:38	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/12/19 00:38	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/12/19 00:38	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/12/19 00:38	1
2-Butanone	**0.0028**	**J**	0.0050	0.00046	mg/L			10/12/19 00:38	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/12/19 00:38	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/12/19 00:38	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/12/19 00:38	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/12/19 00:38	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/12/19 00:38	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/12/19 00:38	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/12/19 00:38	1
Styrene	ND		0.00050	0.000059	mg/L			10/12/19 00:38	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/12/19 00:38	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/12/19 00:38	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/12/19 00:38	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/12/19 00:38	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/12/19 00:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 128*		*10/12/19 00:38*	*1*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*		*10/12/19 00:38*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 127*		*10/12/19 00:38*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/12/19 00:38*	*1*

Surrogate Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-128)	(68-120)	(80-127)	(80-120)
570-8936-B-2 MS	Matrix Spike	110	104	101	104
570-8936-B-2 MSD	Matrix Spike Duplicate	108	104	100	103
570-9077-1	W-43-MW19	112	102	100	106
570-9077-2	W-39-B4/MW30	110	99	102	105
570-9077-3	W-39-B3/MW29	113	100	102	104
570-9077-4	W-39-B2/MW28	115	99	104	105
570-9077-5	W-40-B1/M27	112	100	104	105
570-9077-6	Trip Blank	116	99	103	105
LCS 570-25420/3	Lab Control Sample	108	106	99	104
MB 570-25420/5	Method Blank	108	101	98	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-9077-1	W-43-MW19	90	71	99
570-9077-2	W-39-B4/MW30	86	65	90
570-9077-3	W-39-B3/MW29	91	77	101
570-9077-4	W-39-B2/MW28	106	78	106
570-9077-5	W-40-B1/M27	105	78	108
LCS 570-23885/2-A	Lab Control Sample	108	96	113
LCSD 570-23885/3-A	Lab Control Sample Dup	105	94	114
MB 570-23885/1-A	Method Blank	95	72	110

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-25420/5
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/11/19 17:08	1
Toluene	ND		0.00050	0.000093	mg/L			10/11/19 17:08	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/11/19 17:08	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/11/19 17:08	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/11/19 17:08	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/11/19 17:08	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/11/19 17:08	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/11/19 17:08	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/11/19 17:08	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/11/19 17:08	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/11/19 17:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/11/19 17:08	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/11/19 17:08	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 17:08	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/11/19 17:08	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/11/19 17:08	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/11/19 17:08	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/11/19 17:08	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/11/19 17:08	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/11/19 17:08	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/11/19 17:08	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/11/19 17:08	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/11/19 17:08	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/11/19 17:08	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/11/19 17:08	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/11/19 17:08	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/11/19 17:08	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/11/19 17:08	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/11/19 17:08	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/11/19 17:08	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/11/19 17:08	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/11/19 17:08	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/11/19 17:08	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/11/19 17:08	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/11/19 17:08	1
Acetone	ND		0.010	0.0040	mg/L			10/11/19 17:08	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/11/19 17:08	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/11/19 17:08	1
Bromoform	ND		0.00050	0.000096	mg/L			10/11/19 17:08	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/11/19 17:08	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/11/19 17:08	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/11/19 17:08	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/11/19 17:08	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/11/19 17:08	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/11/19 17:08	1
Chloroform	ND		0.00050	0.000062	mg/L			10/11/19 17:08	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/11/19 17:08	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/11/19 17:08	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-25420/5
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/11/19 17:08	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/11/19 17:08	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/11/19 17:08	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/11/19 17:08	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/11/19 17:08	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/11/19 17:08	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/11/19 17:08	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/11/19 17:08	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/11/19 17:08	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/11/19 17:08	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/11/19 17:08	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/11/19 17:08	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/11/19 17:08	1
Styrene	ND		0.00050	0.000059	mg/L			10/11/19 17:08	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/11/19 17:08	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/11/19 17:08	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/11/19 17:08	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/11/19 17:08	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/11/19 17:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 128*		*10/11/19 17:08*	*1*
4-Bromofluorobenzene (Surr)	*101*		*68 - 120*		*10/11/19 17:08*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 127*		*10/11/19 17:08*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*10/11/19 17:08*	*1*

Lab Sample ID: LCS 570-25420/3
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.009658		mg/L		97	80 - 120
Toluene	0.0100	0.009552		mg/L		96	80 - 120
Ethylbenzene	0.0100	0.009587		mg/L		96	80 - 120
o-Xylene	0.0100	0.009898		mg/L		99	80 - 120
m,p-Xylene	0.0200	0.01968		mg/L		98	80 - 120
Methyl-t-Butyl Ether (MTBE)	0.0100	0.009460		mg/L		95	75 - 123
1,1-Dichloroethene	0.0100	0.009642		mg/L		96	77 - 120
1,2-Dichlorobenzene	0.0100	0.009568		mg/L		96	80 - 120
1,2-Dichloroethane	0.0100	0.01125		mg/L		112	80 - 122
Carbon tetrachloride	0.0100	0.008226		mg/L		82	80 - 129
Chlorobenzene	0.0100	0.009483		mg/L		95	80 - 120
1,2-Dibromoethane	0.0100	0.009700		mg/L		97	80 - 120
Hexachloro-1,3-butadiene	0.0100	0.01192		mg/L		119	80 - 122
Trichloroethene	0.0100	0.009748		mg/L		97	80 - 120
Vinyl chloride	0.0100	0.009840		mg/L		98	63 - 135

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-25420/3
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 128*
4-Bromofluorobenzene (Surr)	*106*		*68 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 127*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 570-8936-B-2 MS
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.0800	0.07729		mg/L		97	75 - 125
Toluene	ND		0.0800	0.07542		mg/L		94	75 - 125
Ethylbenzene	ND		0.0800	0.07626		mg/L		95	75 - 125
o-Xylene	ND		0.0800	0.07710		mg/L		96	75 - 127
m,p-Xylene	ND		0.160	0.1544		mg/L		96	75 - 125
Methyl-t-Butyl Ether (MTBE)	ND		0.0800	0.07291		mg/L		91	71 - 131
1,1-Dichloroethene	0.0027	J	0.0800	0.08198		mg/L		99	66 - 126
1,2-Dichlorobenzene	ND		0.0800	0.07300		mg/L		91	75 - 125
1,2-Dichloroethane	ND		0.0800	0.08680		mg/L		109	75 - 127
Carbon tetrachloride	0.00096	J	0.0800	0.06385		mg/L		79	69 - 135
Chlorobenzene	ND		0.0800	0.07441		mg/L		93	75 - 125
1,2-Dibromoethane	ND		0.0800	0.07553		mg/L		94	75 - 126
Hexachloro-1,3-butadiene	ND		0.0800	0.09804		mg/L		123	75 - 129
Trichloroethene	0.23	F1	0.0800	0.2900		mg/L		80	75 - 125
Vinyl chloride	ND		0.0800	0.09129		mg/L		114	52 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 128*
4-Bromofluorobenzene (Surr)	*104*		*68 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 127*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: 570-8936-B-2 MSD
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.0800	0.07038		mg/L		88	75 - 125	9	20
Toluene	ND		0.0800	0.06918		mg/L		86	75 - 125	9	20
Ethylbenzene	ND		0.0800	0.07022		mg/L		88	75 - 125	8	20
o-Xylene	ND		0.0800	0.07206		mg/L		90	75 - 127	7	20
m,p-Xylene	ND		0.160	0.1442		mg/L		90	75 - 125	7	20
Methyl-t-Butyl Ether (MTBE)	ND		0.0800	0.07110		mg/L		89	71 - 131	3	20
1,1-Dichloroethene	0.0027	J	0.0800	0.07661		mg/L		92	66 - 126	7	20
1,2-Dichlorobenzene	ND		0.0800	0.06963		mg/L		87	75 - 125	5	20
1,2-Dichloroethane	ND		0.0800	0.08402		mg/L		105	75 - 127	3	20
Carbon tetrachloride	0.00096	J	0.0800	0.05996		mg/L		74	69 - 135	6	20
Chlorobenzene	ND		0.0800	0.07034		mg/L		88	75 - 125	6	20

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-8936-B-2 MSD
Matrix: Water
Analysis Batch: 25420

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		0.0800	0.07283		mg/L		91	75 - 126	4	20
Hexachloro-1,3-butadiene	ND		0.0800	0.09309		mg/L		116	75 - 129	5	20
Trichloroethene	0.23	F1	0.0800	0.2856	F1	mg/L		74	75 - 125	2	20
Vinyl chloride	ND		0.0800	0.08636		mg/L		108	52 - 142	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*80 - 128*
4-Bromofluorobenzene (Surr)	*104*		*68 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 127*
Toluene-d8 (Surr)	*103*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-23885/1-A
Matrix: Water
Analysis Batch: 24115

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 23885

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00020	0.000013	mg/L		10/04/19 15:04	10/07/19 11:24	1
Acenaphthylene	ND		0.00020	0.000011	mg/L		10/04/19 15:04	10/07/19 11:24	1
Anthracene	ND		0.00020	0.000015	mg/L		10/04/19 15:04	10/07/19 11:24	1
Benzo[a]anthracene	ND		0.00020	0.000013	mg/L		10/04/19 15:04	10/07/19 11:24	1
Benzo[a]pyrene	ND		0.00020	0.000019	mg/L		10/04/19 15:04	10/07/19 11:24	1
Benzo[b]fluoranthene	ND		0.00020	0.000023	mg/L		10/04/19 15:04	10/07/19 11:24	1
Benzo[g,h,i]perylene	ND		0.00020	0.000021	mg/L		10/04/19 15:04	10/07/19 11:24	1
Benzo[k]fluoranthene	ND		0.00020	0.000011	mg/L		10/04/19 15:04	10/07/19 11:24	1
Chrysene	ND		0.00020	0.000023	mg/L		10/04/19 15:04	10/07/19 11:24	1
Dibenz(a,h)anthracene	ND		0.00020	0.000018	mg/L		10/04/19 15:04	10/07/19 11:24	1
Fluoranthene	ND		0.00020	0.000015	mg/L		10/04/19 15:04	10/07/19 11:24	1
Fluorene	ND		0.00020	0.000013	mg/L		10/04/19 15:04	10/07/19 11:24	1
Indeno[1,2,3-cd]pyrene	ND		0.00020	0.000022	mg/L		10/04/19 15:04	10/07/19 11:24	1
1-Methylnaphthalene	ND		0.00020	0.000011	mg/L		10/04/19 15:04	10/07/19 11:24	1
2-Methylnaphthalene	ND		0.00020	0.000013	mg/L		10/04/19 15:04	10/07/19 11:24	1
Naphthalene	ND		0.00020	0.000014	mg/L		10/04/19 15:04	10/07/19 11:24	1
Phenanthrene	ND		0.00020	0.0000051	mg/L		10/04/19 15:04	10/07/19 11:24	1
Pyrene	ND		0.00020	0.000012	mg/L		10/04/19 15:04	10/07/19 11:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*33 - 144*	*10/04/19 15:04*	*10/07/19 11:24*	*1*
Nitrobenzene-d5 (Surr)	*72*		*28 - 139*	*10/04/19 15:04*	*10/07/19 11:24*	*1*
p-Terphenyl-d14 (Surr)	*110*		*23 - 160*	*10/04/19 15:04*	*10/07/19 11:24*	*1*

Lab Sample ID: LCS 570-23885/2-A
Matrix: Water
Analysis Batch: 24115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23885

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.00200	0.001948		mg/L		97	55 - 121

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCS 570-23885/2-A
Matrix: Water
Analysis Batch: 24115

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 23885

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthylene			0.00200	0.002174		mg/L		109	33 - 145		
Anthracene			0.00200	0.001828		mg/L		91	27 - 133		
Benzo[a]anthracene			0.00200	0.002005		mg/L		100	33 - 143		
Benzo[a]pyrene			0.00200	0.001906		mg/L		95	17 - 163		
Benzo[b]fluoranthene			0.00200	0.002177		mg/L		109	24 - 159		
Benzo[g,h,i]perylene			0.00200	0.001868		mg/L		93	25 - 157		
Benzo[k]fluoranthene			0.00200	0.001864		mg/L		93	24 - 159		
Chrysene			0.00200	0.002041		mg/L		102	17 - 168		
Dibenz(a,h)anthracene			0.00200	0.001821		mg/L		91	25 - 175		
Fluoranthene			0.00200	0.001915		mg/L		96	26 - 137		
Fluorene			0.00200	0.002010		mg/L		100	59 - 121		
Indeno[1,2,3-cd]pyrene			0.00200	0.001775		mg/L		89	25 - 175		
1-Methylnaphthalene			0.00200	0.001804		mg/L		90	20 - 140		
2-Methylnaphthalene			0.00200	0.001871		mg/L		94	21 - 140		
Naphthalene			0.00200	0.001826		mg/L		91	21 - 133		
Phenanthrene			0.00200	0.001868		mg/L		93	54 - 120		
Pyrene			0.00200	0.001995		mg/L		100	45 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*108*		*33 - 144*
Nitrobenzene-d5 (Surr)	*96*		*28 - 139*
p-Terphenyl-d14 (Surr)	*113*		*23 - 160*

Lab Sample ID: LCSD 570-23885/3-A
Matrix: Water
Analysis Batch: 24115

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23885

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			0.00200	0.001926		mg/L		96	55 - 121	1	25
Acenaphthylene			0.00200	0.002066		mg/L		103	33 - 145	5	25
Anthracene			0.00200	0.001805		mg/L		90	27 - 133	1	25
Benzo[a]anthracene			0.00200	0.002039		mg/L		102	33 - 143	2	25
Benzo[a]pyrene			0.00200	0.001896		mg/L		95	17 - 163	1	25
Benzo[b]fluoranthene			0.00200	0.002037		mg/L		102	24 - 159	7	25
Benzo[g,h,i]perylene			0.00200	0.001931		mg/L		97	25 - 157	3	25
Benzo[k]fluoranthene			0.00200	0.002101		mg/L		105	24 - 159	12	25
Chrysene			0.00200	0.002066		mg/L		103	17 - 168	1	25
Dibenz(a,h)anthracene			0.00200	0.001865		mg/L		93	25 - 175	2	25
Fluoranthene			0.00200	0.002075		mg/L		104	26 - 137	8	25
Fluorene			0.00200	0.001994		mg/L		100	59 - 121	1	25
Indeno[1,2,3-cd]pyrene			0.00200	0.001833		mg/L		92	25 - 175	3	25
1-Methylnaphthalene			0.00200	0.001810		mg/L		91	20 - 140	0	25
2-Methylnaphthalene			0.00200	0.001877		mg/L		94	21 - 140	0	25
Naphthalene			0.00200	0.001798		mg/L		90	21 - 133	2	25
Phenanthrene			0.00200	0.001904		mg/L		95	54 - 120	2	25
Pyrene			0.00200	0.002189		mg/L		109	45 - 129	9	25

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 570-23885/3-A
Matrix: Water
Analysis Batch: 24115

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 23885

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	105		33 - 144
Nitrobenzene-d5 (Surr)	94		28 - 139
p-Terphenyl-d14 (Surr)	114		23 - 160

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-23400/5
Matrix: Water
Analysis Batch: 23400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0	0.49	mg/L			10/03/19 10:08	1

Lab Sample ID: LCS 570-23400/6
Matrix: Water
Analysis Batch: 23400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	48.53		mg/L		97	90 - 110

Lab Sample ID: LCSD 570-23400/22
Matrix: Water
Analysis Batch: 23400

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	50.0	48.26		mg/L		97	90 - 110	1	15

Lab Sample ID: 570-9077-1 MS
Matrix: Water
Analysis Batch: 23400

Client Sample ID: W-43-MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	110	E	50.0	158.2		mg/L		87	80 - 120

Lab Sample ID: 570-9077-1 MSD
Matrix: Water
Analysis Batch: 23400

Client Sample ID: W-43-MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	110	E	50.0	159.5		mg/L		89	80 - 120	NC	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-24798/1-A
Matrix: Water
Analysis Batch: 24923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/09/19 18:13	1
Barium	ND		0.0100	0.00308	mg/L		10/09/19 12:00	10/09/19 18:13	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 570-24798/1-A
Matrix: Water
Analysis Batch: 24923

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/09/19 18:13	1
Chromium	ND		0.0500	0.00688	mg/L		10/09/19 12:00	10/09/19 18:13	1
Lead	ND		0.0500	0.00821	mg/L		10/09/19 12:00	10/09/19 18:13	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/09/19 18:13	1
Silver	ND		0.0100	0.00298	mg/L		10/09/19 12:00	10/09/19 18:13	1

Lab Sample ID: MB 570-24798/1-A
Matrix: Water
Analysis Batch: 25098

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24798

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/09/19 12:00	10/10/19 02:52	1
Barium	ND		0.0100	0.00308	mg/L		10/09/19 12:00	10/10/19 02:52	1
Cadmium	ND		0.0100	0.00210	mg/L		10/09/19 12:00	10/10/19 02:52	1
Chromium	ND		0.0500	0.00688	mg/L		10/09/19 12:00	10/10/19 02:52	1
Lead	ND		0.0500	0.00821	mg/L		10/09/19 12:00	10/10/19 02:52	1
Selenium	ND		0.100	0.0244	mg/L		10/09/19 12:00	10/10/19 02:52	1
Silver	0.003099	J	0.0100	0.00298	mg/L		10/09/19 12:00	10/10/19 02:52	1

Lab Sample ID: LCS 570-24798/2-A
Matrix: Water
Analysis Batch: 24923

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4900		mg/L		98	80 - 120
Barium	0.500	0.5396		mg/L		108	80 - 120
Cadmium	0.500	0.5200		mg/L		104	80 - 120
Chromium	0.500	0.5407		mg/L		108	80 - 120
Lead	0.500	0.5330		mg/L		107	80 - 120
Selenium	0.500	0.4579		mg/L		92	80 - 120
Silver	0.250	0.2416		mg/L		97	80 - 120

Lab Sample ID: LCS 570-24798/2-A
Matrix: Water
Analysis Batch: 25098

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4314		mg/L		86	80 - 120
Barium	0.500	0.4970		mg/L		99	80 - 120
Cadmium	0.500	0.4937		mg/L		99	80 - 120
Chromium	0.500	0.5063		mg/L		101	80 - 120
Lead	0.500	0.5049		mg/L		101	80 - 120
Selenium	0.500	0.4358		mg/L		87	80 - 120
Silver	0.250	0.2332		mg/L		93	80 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 570-24798/3-A
Matrix: Water
Analysis Batch: 24923

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24798

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.500	0.5019		mg/L		100	80 - 120	2	20
Barium			0.500	0.5412		mg/L		108	80 - 120	0	20
Cadmium			0.500	0.5249		mg/L		105	80 - 120	1	20
Chromium			0.500	0.5352		mg/L		107	80 - 120	1	20
Lead			0.500	0.5357		mg/L		107	80 - 120	1	20
Selenium			0.500	0.4820		mg/L		96	80 - 120	5	20
Silver			0.250	0.2419		mg/L		97	80 - 120	0	20

Lab Sample ID: LCSD 570-24798/3-A
Matrix: Water
Analysis Batch: 25098

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24798

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.500	0.4195		mg/L		84	80 - 120	3	20
Barium			0.500	0.4815		mg/L		96	80 - 120	3	20
Cadmium			0.500	0.4794		mg/L		96	80 - 120	3	20
Chromium			0.500	0.4908		mg/L		98	80 - 120	3	20
Lead			0.500	0.4841		mg/L		97	80 - 120	4	20
Selenium			0.500	0.4267		mg/L		85	80 - 120	2	20
Silver			0.250	0.2281		mg/L		91	80 - 120	2	20

Lab Sample ID: 570-8997-C-1-B MS
Matrix: Water
Analysis Batch: 25098

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 24798

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5234		mg/L		105	80 - 140
Barium	0.0452		0.500	0.5531		mg/L		102	87 - 123
Cadmium	0.00274	J	0.500	0.5137		mg/L		102	82 - 124
Chromium	ND		0.500	0.5275		mg/L		105	86 - 122
Lead	0.0158	J	0.500	0.5380		mg/L		104	84 - 120
Selenium	ND		0.500	0.5188		mg/L		104	79 - 127
Silver	ND		0.250	0.2275		mg/L		91	86 - 128

Lab Sample ID: 570-8997-C-1-C MSD
Matrix: Water
Analysis Batch: 25098

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 24798

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5319		mg/L		106	80 - 140	2	11
Barium	0.0452		0.500	0.5602		mg/L		103	87 - 123	1	6
Cadmium	0.00274	J	0.500	0.5218		mg/L		104	82 - 124	2	7
Chromium	ND		0.500	0.5364		mg/L		107	86 - 122	2	8
Lead	0.0158	J	0.500	0.5469		mg/L		106	84 - 120	2	7
Selenium	ND		0.500	0.5195		mg/L		104	79 - 127	0	9
Silver	ND		0.250	0.2382		mg/L		95	86 - 128	5	7

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Lab Sample ID: MB 570-25759/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 26423 — **Prep Batch: 25759**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0000500	0.0000321	mg/L		10/14/19 11:45	10/16/19 12:40	1

Lab Sample ID: LCS 570-25759/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 26423 — **Prep Batch: 25759**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.009810		mg/L		98	80 - 120

Lab Sample ID: LCSD 570-25759/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 26423 — **Prep Batch: 25759**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.009816		mg/L		98	80 - 120	0	20

Lab Sample ID: 570-9077-1 MS — **Client Sample ID: W-43-MW19**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 26423 — **Prep Batch: 25759**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0000658		0.0100	0.006535		mg/L		65	55 - 133

Lab Sample ID: 570-9077-1 MSD — **Client Sample ID: W-43-MW19**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 26423 — **Prep Batch: 25759**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0000658		0.0100	0.006436		mg/L		64	55 - 133	2	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-24204/40 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 24204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		5.00	1.69	mg/L			10/04/19 18:55	1

Lab Sample ID: LCS 570-24204/38 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 24204

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total (As CaCO3)	100	99.79		mg/L		100	80 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 570-24204/39
Matrix: Water
Analysis Batch: 24204

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)			100	100.1		mg/L		100	80 - 120	0	20

Lab Sample ID: 570-9077-1 DU
Matrix: Water
Analysis Batch: 24204

Client Sample ID: W-43-MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total (As CaCO3)	325			323.2		mg/L				0.4	25

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 570-23961/1
Matrix: Water
Analysis Batch: 23961

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		1.00	0.870	mg/L			10/04/19 18:00	1

Lab Sample ID: LCS 570-23961/2
Matrix: Water
Analysis Batch: 23961

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			100	105.0		mg/L		105	84 - 108		

Lab Sample ID: LCSD 570-23961/3
Matrix: Water
Analysis Batch: 23961

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			100	105.0		mg/L		105	84 - 108	0	10

Lab Sample ID: 570-9077-1 DU
Matrix: Water
Analysis Batch: 23961

Client Sample ID: W-43-MW19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	515			520.0		mg/L				1	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-24086/1
Matrix: Water
Analysis Batch: 24086

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.594	mg/L			10/08/19 15:30	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method: SM 4500 Cl- C - Chloride, Total (Continued)

Lab Sample ID: LCS 570-24086/2
Matrix: Water
Analysis Batch: 24086

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	97.25		mg/L		97	91 - 114		

Lab Sample ID: LCSD 570-24086/3
Matrix: Water
Analysis Batch: 24086

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			100	98.26		mg/L		98	91 - 114	1	4

Lab Sample ID: 570-9077-5 MS
Matrix: Water
Analysis Batch: 24086

Client Sample ID: W-40-B1/M27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	278		1000	1275		mg/L		100	91 - 115		

Lab Sample ID: 570-9077-5 MSD
Matrix: Water
Analysis Batch: 24086

Client Sample ID: W-40-B1/M27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	278		1000	1275		mg/L		100	91 - 115	0	4

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

GC/MS VOA

Analysis Batch: 25420

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	8260B	
570-9077-2	W-39-B4/MW30	Total/NA	Water	8260B	
570-9077-3	W-39-B3/MW29	Total/NA	Water	8260B	
570-9077-4	W-39-B2/MW28	Total/NA	Water	8260B	
570-9077-5	W-40-B1/M27	Total/NA	Water	8260B	
570-9077-6	Trip Blank	Total/NA	Water	8260B	
MB 570-25420/5	Method Blank	Total/NA	Water	8260B	
LCS 570-25420/3	Lab Control Sample	Total/NA	Water	8260B	
570-8936-B-2 MS	Matrix Spike	Total/NA	Water	8260B	
570-8936-B-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 23885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	3510C	
570-9077-2	W-39-B4/MW30	Total/NA	Water	3510C	
570-9077-3	W-39-B3/MW29	Total/NA	Water	3510C	
570-9077-4	W-39-B2/MW28	Total/NA	Water	3510C	
570-9077-5	W-40-B1/M27	Total/NA	Water	3510C	
MB 570-23885/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-23885/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-23885/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 24115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	8270C SIM	23885
570-9077-2	W-39-B4/MW30	Total/NA	Water	8270C SIM	23885
570-9077-3	W-39-B3/MW29	Total/NA	Water	8270C SIM	23885
570-9077-4	W-39-B2/MW28	Total/NA	Water	8270C SIM	23885
570-9077-5	W-40-B1/M27	Total/NA	Water	8270C SIM	23885
MB 570-23885/1-A	Method Blank	Total/NA	Water	8270C SIM	23885
LCS 570-23885/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	23885
LCSD 570-23885/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	23885

HPLC/IC

Analysis Batch: 23400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	300.0	
570-9077-2	W-39-B4/MW30	Total/NA	Water	300.0	
570-9077-3	W-39-B3/MW29	Total/NA	Water	300.0	
570-9077-4	W-39-B2/MW28	Total/NA	Water	300.0	
570-9077-5	W-40-B1/M27	Total/NA	Water	300.0	
MB 570-23400/5	Method Blank	Total/NA	Water	300.0	
LCS 570-23400/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-23400/22	Lab Control Sample Dup	Total/NA	Water	300.0	
570-9077-1 MS	W-43-MW19	Total/NA	Water	300.0	
570-9077-1 MSD	W-43-MW19	Total/NA	Water	300.0	

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Metals

Prep Batch: 24798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	3010A	
570-9077-2	W-39-B4/MW30	Total/NA	Water	3010A	
570-9077-3	W-39-B3/MW29	Total/NA	Water	3010A	
570-9077-4	W-39-B2/MW28	Total/NA	Water	3010A	
570-9077-5	W-40-B1/M27	Total/NA	Water	3010A	
MB 570-24798/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-24798/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-24798/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-8997-C-1-B MS	Matrix Spike	Total/NA	Water	3010A	
570-8997-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Analysis Batch: 24923

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-24798/1-A	Method Blank	Total/NA	Water	6010B	24798
LCS 570-24798/2-A	Lab Control Sample	Total/NA	Water	6010B	24798
LCSD 570-24798/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	24798

Analysis Batch: 25098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	6010B	24798
570-9077-2	W-39-B4/MW30	Total/NA	Water	6010B	24798
570-9077-3	W-39-B3/MW29	Total/NA	Water	6010B	24798
570-9077-4	W-39-B2/MW28	Total/NA	Water	6010B	24798
570-9077-5	W-40-B1/M27	Total/NA	Water	6010B	24798
MB 570-24798/1-A	Method Blank	Total/NA	Water	6010B	24798
LCS 570-24798/2-A	Lab Control Sample	Total/NA	Water	6010B	24798
LCSD 570-24798/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	24798
570-8997-C-1-B MS	Matrix Spike	Total/NA	Water	6010B	24798
570-8997-C-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	24798

Analysis Batch: 25195

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-2	W-39-B4/MW30	Total/NA	Water	6010B	24798
570-9077-3	W-39-B3/MW29	Total/NA	Water	6010B	24798
570-9077-4	W-39-B2/MW28	Total/NA	Water	6010B	24798
570-9077-5	W-40-B1/M27	Total/NA	Water	6010B	24798

Prep Batch: 25759

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	7470A	
570-9077-2	W-39-B4/MW30	Total/NA	Water	7470A	
570-9077-3	W-39-B3/MW29	Total/NA	Water	7470A	
570-9077-4	W-39-B2/MW28	Total/NA	Water	7470A	
570-9077-5	W-40-B1/M27	Total/NA	Water	7470A	
MB 570-25759/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-25759/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-25759/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-9077-1 MS	W-43-MW19	Total/NA	Water	7470A	
570-9077-1 MSD	W-43-MW19	Total/NA	Water	7470A	

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Metals

Analysis Batch: 26423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	7470A Low Level	25759
570-9077-2	W-39-B4/MW30	Total/NA	Water	7470A Low Level	25759
570-9077-3	W-39-B3/MW29	Total/NA	Water	7470A Low Level	25759
570-9077-4	W-39-B2/MW28	Total/NA	Water	7470A Low Level	25759
570-9077-5	W-40-B1/M27	Total/NA	Water	7470A Low Level	25759
MB 570-25759/1-A	Method Blank	Total/NA	Water	7470A Low Level	25759
LCS 570-25759/2-A	Lab Control Sample	Total/NA	Water	7470A Low Level	25759
LCSD 570-25759/3-A	Lab Control Sample Dup	Total/NA	Water	7470A Low Level	25759
570-9077-1 MS	W-43-MW19	Total/NA	Water	7470A Low Level	25759
570-9077-1 MSD	W-43-MW19	Total/NA	Water	7470A Low Level	25759

General Chemistry

Analysis Batch: 23961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	SM 2540C	
570-9077-2	W-39-B4/MW30	Total/NA	Water	SM 2540C	
570-9077-3	W-39-B3/MW29	Total/NA	Water	SM 2540C	
570-9077-4	W-39-B2/MW28	Total/NA	Water	SM 2540C	
570-9077-5	W-40-B1/M27	Total/NA	Water	SM 2540C	
MB 570-23961/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-23961/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-23961/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-9077-1 DU	W-43-MW19	Total/NA	Water	SM 2540C	

Analysis Batch: 24086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	SM 4500 Cl- C	
570-9077-2	W-39-B4/MW30	Total/NA	Water	SM 4500 Cl- C	
570-9077-3	W-39-B3/MW29	Total/NA	Water	SM 4500 Cl- C	
570-9077-4	W-39-B2/MW28	Total/NA	Water	SM 4500 Cl- C	
570-9077-5	W-40-B1/M27	Total/NA	Water	SM 4500 Cl- C	
MB 570-24086/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-24086/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-24086/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-9077-5 MS	W-40-B1/M27	Total/NA	Water	SM 4500 Cl- C	
570-9077-5 MSD	W-40-B1/M27	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 24204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-1	W-43-MW19	Total/NA	Water	SM 2320B	
570-9077-2	W-39-B4/MW30	Total/NA	Water	SM 2320B	
570-9077-3	W-39-B3/MW29	Total/NA	Water	SM 2320B	
570-9077-4	W-39-B2/MW28	Total/NA	Water	SM 2320B	

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

General Chemistry (Continued)

Analysis Batch: 24204 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9077-5	W-40-B1/M27	Total/NA	Water	SM 2320B	
MB 570-24204/40	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-24204/38	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-24204/39	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-9077-1 DU	W-43-MW19	Total/NA	Water	SM 2320B	

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-43-MW19

Date Collected: 10/02/19 09:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	25420	10/11/19 22:10	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1036.2 mL	2 mL	23885	10/04/19 15:04	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			24115	10/07/19 12:22	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		2			23400	10/03/19 22:37	URMH	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25098	10/10/19 03:11	OYW3	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	25759	10/14/19 11:45	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			26423	10/16/19 12:47	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24204	10/04/19 19:02	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	23961	10/04/19 18:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	24086	10/08/19 15:30	KZ4O	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-39-B4/MW30

Date Collected: 10/02/19 10:37
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	25420	10/11/19 22:39	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1054.3 mL	2 mL	23885	10/04/19 15:04	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			24115	10/07/19 17:32	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23400	10/03/19 21:15	URMH	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25098	10/10/19 03:21	OYW3	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25195	10/10/19 14:59	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	25759	10/14/19 11:45	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			26423	10/16/19 12:54	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24204	10/04/19 19:15	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	23961	10/04/19 18:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B4/MW30

Date Collected: 10/02/19 10:37
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	24086	10/08/19 15:30	KZ4O	ECL 1

Client Sample ID: W-39-B3/MW29

Date Collected: 10/02/19 11:12
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	25420	10/11/19 23:09	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1053.2 mL	2 mL	23885	10/04/19 15:04	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			24115	10/07/19 13:01	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23400	10/03/19 21:36	URMH	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25098	10/10/19 03:23	OYW3	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25195	10/10/19 15:01	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	25759	10/14/19 11:45	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			26423	10/16/19 12:56	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24204	10/04/19 19:21	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	23961	10/04/19 18:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	24086	10/08/19 15:30	KZ4O	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-39-B2/MW28

Date Collected: 10/02/19 13:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	25420	10/11/19 23:39	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1055.6 mL	2 mL	23885	10/04/19 15:04	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			24115	10/07/19 13:20	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23400	10/03/19 21:56	URMH	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25098	10/10/19 03:25	OYW3	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: W-39-B2/MW28

Date Collected: 10/02/19 13:36
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25195	10/10/19 15:03	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	25759	10/14/19 11:45	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			26423	10/16/19 12:59	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24204	10/04/19 19:27	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	23961	10/04/19 18:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	24086	10/08/19 15:30	KZ4O	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-40-B1/M27

Date Collected: 10/02/19 14:27
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	25420	10/12/19 00:08	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1057.5 mL	2 mL	23885	10/04/19 15:04	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			24115	10/07/19 13:39	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23400	10/03/19 22:16	URMH	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25098	10/10/19 03:27	OYW3	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	3010A			50 mL	50 mL	24798	10/09/19 12:00	ZHW5	ECL 1
Total/NA	Analysis	6010B		1			25195	10/10/19 15:06	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	25759	10/14/19 11:45	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			26423	10/16/19 13:01	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24204	10/04/19 19:34	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	23961	10/04/19 18:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	24086	10/08/19 15:30	KZ4O	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Client Sample ID: Trip Blank

Date Collected: 10/02/19 14:12
Date Received: 10/03/19 16:25

Lab Sample ID: 570-9077-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	25420	10/12/19 00:38	UJHB	ECL 2
	Instrument ID: GCMSL									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-9077-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0781	03-13-20
California	SCAQMD LAP	17LA0919	11-30-19
California	State	2944	09-29-20
Guam	State	19-004R	10-31-19
Hawaii	State	<cert No.>	07-02-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-20

Method Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9077-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
300.0	Anions, Ion Chromatography	MCAWW	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7470A Low Level	Mercury (CVAA) Low Level	SW846	ECL 1
SM 2320B	Alkalinity	SM	ECL 1
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 1
SM 4500 Cl- C	Chloride, Total	SM	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
7470A	Preparation, Mercury	SW846	ECL 1

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

9077

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

CHAIN OF CUSTODY RECORD

DATE: 10/2/19
PAGE: 1 OF 1

Site Name	3612
Provide MRN for retail or AFE for major projects	
Retail Project (MRN)	
Major Project (AFE)	
Project Name	ExxonMobil Gladiola Station

ExxonMobil Engr: Marla Madden

LABORATORY CLIENT: Cardno
ADDRESS: 20505 Crescent Bay Drive
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): Shawn Shanks, Clint Calip, Austin Moore
LAB USE ONLY: ☐☐-☐☐☐☐
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.

570-9077 Chain of Custody

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-43-MW19	MW19	10/2/19	09:36	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-39-~~B4/MW30~~	B4/MW30	10/2/19	10:37	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-39-B3/MW29	B3/MW29	10/2/19	11:12	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
4	W-39-B2/MW28	B2/MW28	10/2/19	13:36	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-B1/MW27	B1/MW27	10/2/19	14:27	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
6					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
7					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
8					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
6	Trip Blank		10/2/19	14:12	W	[illegible]	X							3 vials with HCL

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
[signature]		
Relinquished by: (Signature)	Received by: (Signature) [signature]	Date, & Time: 10/3/19 10:00
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

COC\Gladiola Station-NM Site COC 05-16-2017

2.5/3.0 2.7/3.2 SCe

9077

570-9077 Waybill

FedEx Express

FedEx Tracking Number 8145 8840 8425

Form ID No. 0215

1 From [redacted]

Date

Sender's Name — Phone

Company

Address — Dept./Floor/Suite/Room

City — State — ZIP

Your Internal Billing Reference

2 To

Recipient's Name — Phone

Company

Address

We cannot deliver to P.O. boxes or P.O. ZIP codes. — Dept./Floor/Suite/Room

Hold Weekday — FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

Hold Saturday — FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City

4 Express Package Service — * To most locations. — Packages up to 150 lbs. For packages over 150 lbs., use the FedEx Express Freight US Airbill.

Next Business Day

- FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless Saturday Delivery is selected.
- FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging — * Declared value limit $500.

- FedEx Envelope*
- FedEx Pak*
- FedEx Box
- FedEx Tube

6 Special Handling and Delivery Signature Options — Fees may apply. See the FedEx Service Guide.

- Saturday Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver.
- No Signature Required — Package may be left without obtaining a signature for delivery.
- Direct Signature — Someone at recipient's address may sign for delivery.
- Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only.

Does this shipment contain dangerous goods? One box must be checked.

- No
- Yes — As per attached Shipper's Declaration.
- Yes — Shipper's Declaration not required.
- Dry Ice — Dry Ice, 9, UN 1845 ___ x ___ kg
- Cargo Aircraft Only

Restrictions apply for dangerous goods — see the current FedEx Service Guide.

7 Payment Bill to:

ORIGIN ID:HOBA (951) 902-9896
CARDNO
20505 CRESCENT BAY DR
LAKE FOREST, CA 92630
UNITED STATES US

SHIP DATE: 02OCT19
ACTWGT: 65.20 LB
CAD: 6994246/SSFE2021
DIMS: 21x16x15 IN
BILL THIRD PARTY

TO EURO FIN CALSCIENCE
CAL SCIENCE ENVIRONMENTAL LAB
7440 LINCOLN WAY

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

FedEx Express E

2 of 2
MPS# 0681 7801 7009 0015
Mstr# 8145 8840 8425 0215

THU - 03 OCT 10:30
PRIORITY OVERNIGHT

A7 APVA

92841
CA-US SNA

ORIGIN ID:HOBA (951) 902-9896
CARDNO
20505 CRESCENT BAY DR
LAKE FOREST, CA 92630
UNITED STATES US

SHIP DATE: 02OCT19
ACTWGT: 54.20 LB
CAD: 6994246/SSFE2021
DIMS: 23x13x13 IN
BILL THIRD PARTY

TO EURO FIN CALSCIENCE
CAL SCIENCE ENVIRONMENTAL LAB
7440 LINCOLN WAY

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

FedEx Express E

1 of 2
TRK# 0215 8145 8840 8425
MASTER

THU - 03 OCT 10:30A
PRIORITY OVERNIGHT

A7 APVA

92841
CA-US SNA

Login Sample Receipt Checklist

Client: Cardno, Inc Job Number: 570-9077-1

Login Number: 9077 **List Source: Eurofins Calscience**
List Number: 1
Creator: Soriano, Precy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No relinquished date/time listed on COC.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	1 of 2 1literAGB,(UN) received broken.
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Calscience

ANALYTICAL REPORT

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Tel: (714)895-5494

Laboratory Job ID: 570-9221-1
Client Project/Site: ExxonMobil Gladiola Station/3612
Revision: 1

For:
Cardno, Inc
20505 Crescent Bay Drive
Lake Forest, California 92630

Attn: Dave Purdy

Authorized for release by:
10/22/2019 10:43:37 AM

Cecile de Guia, Project Manager I
(714)895-5494
ceciledeguia@eurofinsus.com

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory Job ID: 570-9221-1

Table of Contents

Sample Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-9221-1	W-42-B6/MW32	Water	10/03/19 09:55	10/04/19 09:45	
570-9221-2	W-40-B5/MW31	Water	10/03/19 12:48	10/04/19 09:45	
570-9221-3	W-42-MW17	Water	10/03/19 11:51	10/04/19 09:45	
570-9221-4	W-42-MW22	Water	10/03/19 09:47	10/04/19 09:45	
570-9221-5	W-41-MW11	Water	10/03/19 14:00	10/04/19 09:45	
570-9221-6	Trip Blank	Water	10/03/19 14:00	10/04/19 09:45	

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-9221-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
me	LCS Recovery is within Marginal Exdeedance (ME) control limit range (± 4 SD from the mean).

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

HPLC/IC

Qualifier	Qualifier Description
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Job ID: 570-9221-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-9221-1

Comments
Note that the report has been amended to report the untis for EPA 8260B adn EPA 8270C in mg/L.
No additional comments.

Receipt
The samples were received on 10/4/2019 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.3º C and 3.5º C.

Receipt Exceptions

No relinquished date/time listed on COC.

W-42-B6/MW32 (570-9221-1), W-40-B5/MW31 (570-9221-2), W-42-MW17 (570-9221-3), W-42-MW22 (570-9221-4), W-41-MW11 (570-9221-5) and Trip Blank (570-9221-6)

Two out of five vials with HCl received broken for W-42-MW22 (570-9221-4).

Three out of six vials with HCl received empty for Trip Blank (570-9221-6).

GC/MS VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: Due to the high concentration of Sodium the matrix spike / matrix spike duplicate (MS/MSD) for preparation batch 570-25201 and analytical batch 570-25493 could not be evaluated for accuracy and precision. The associated laboratory control sample (LCS) met acceptance criteria.

Method 6010B: The matrix spike duplicate (MSD) recoveries for preparation batch 570-25201 and analytical batch 570-25493 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-24311. LCS/LCSD was performed to meet QC requirements.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-B6/MW32 — Lab Sample ID: 570-9221-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0012		0.00050	0.000072	mg/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.00036	J	0.00050	0.000068	mg/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.00028	J	0.00050	0.000079	mg/L	1		8260B	Total/NA
Isopropylbenzene	0.0016		0.00050	0.000077	mg/L	1		8260B	Total/NA
N-Propylbenzene	0.000094	J	0.00050	0.000076	mg/L	1		8260B	Total/NA
p-Isopropyltoluene	0.00035	J	0.00050	0.000074	mg/L	1		8260B	Total/NA
sec-Butylbenzene	0.0017		0.00050	0.000095	mg/L	1		8260B	Total/NA
tert-Butylbenzene	0.0010		0.00050	0.000082	mg/L	1		8260B	Total/NA
Fluorene	0.00052		0.00019	0.000012	mg/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.00011	J	0.00019	0.000010	mg/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.000016	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Naphthalene	0.00014	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Phenanthrene	0.0000059	J	0.00019	0.0000048	mg/L	1		8270C SIM	Total/NA
Sulfate	36		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.302		0.0100	0.00308	mg/L	1		6010B	Total/NA
Chromium	0.00840	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Lead	0.0246	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Mercury	0.000117		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	488		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	605		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	49.9		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-40-B5/MW31 — Lab Sample ID: 570-9221-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.00011	J	0.00050	0.000072	mg/L	1		8260B	Total/NA
Ethylbenzene	0.00013	J	0.00050	0.000087	mg/L	1		8260B	Total/NA
m,p-Xylene	0.00033	J	0.0010	0.00015	mg/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.0025		0.00050	0.000068	mg/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.00061		0.00050	0.000079	mg/L	1		8260B	Total/NA
Isopropylbenzene	0.00025	J	0.00050	0.000077	mg/L	1		8260B	Total/NA
N-Propylbenzene	0.00015	J	0.00050	0.000076	mg/L	1		8260B	Total/NA
p-Isopropyltoluene	0.00020	J	0.00050	0.000074	mg/L	1		8260B	Total/NA
sec-Butylbenzene	0.00052		0.00050	0.000095	mg/L	1		8260B	Total/NA
tert-Butylbenzene	0.00016	J	0.00050	0.000082	mg/L	1		8260B	Total/NA
Fluorene	0.00024		0.00019	0.000012	mg/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.00026		0.00019	0.0000099	mg/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.000093	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Naphthalene	0.000079	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Phenanthrene	0.000032	J	0.00019	0.0000048	mg/L	1		8270C SIM	Total/NA
Sulfate	88		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.211		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0204	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Selenium	0.0321	J	0.100	0.0244	mg/L	1		6010B	Total/NA
Mercury	0.0000458	J	0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	377		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	635		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	751		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW17 — Lab Sample ID: 570-9221-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.12		0.010	0.0014	mg/L	20		8260B	Total/NA
Ethylbenzene	0.73		0.010	0.0017	mg/L	20		8260B	Total/NA
o-Xylene	0.011		0.010	0.0017	mg/L	20		8260B	Total/NA
m,p-Xylene	0.19		0.020	0.0030	mg/L	20		8260B	Total/NA
Xylenes, Total	0.20		0.020	0.010	mg/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	0.14		0.010	0.0014	mg/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	0.013		0.010	0.0016	mg/L	20		8260B	Total/NA
Isopropylbenzene	0.052		0.010	0.0015	mg/L	20		8260B	Total/NA
Naphthalene	0.091		0.020	0.0019	mg/L	20		8260B	Total/NA
n-Butylbenzene	0.0053	J	0.010	0.0022	mg/L	20		8260B	Total/NA
N-Propylbenzene	0.050		0.010	0.0015	mg/L	20		8260B	Total/NA
p-Isopropyltoluene	0.0015	J	0.010	0.0015	mg/L	20		8260B	Total/NA
sec-Butylbenzene	0.0066	J	0.010	0.0019	mg/L	20		8260B	Total/NA
Acenaphthene	0.00027		0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Acenaphthylene	0.00017	J	0.00019	0.000010	mg/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	0.000023	J	0.00019	0.000012	mg/L	1		8270C SIM	Total/NA
Fluorene	0.0021		0.00019	0.000012	mg/L	1		8270C SIM	Total/NA
Phenanthrene	0.0012		0.00019	0.0000048	mg/L	1		8270C SIM	Total/NA
1-Methylnaphthalene - DL	0.042		0.0019	0.000099	mg/L	10		8270C SIM	Total/NA
2-Methylnaphthalene - DL	0.048		0.0019	0.00013	mg/L	10		8270C SIM	Total/NA
Naphthalene - DL	0.080		0.0019	0.00013	mg/L	10		8270C SIM	Total/NA
Barium	9.99		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0286	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Selenium	0.0297	J	0.100	0.0244	mg/L	1		6010B	Total/NA
Mercury	0.0000580		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	847		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	840		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	4.63		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-42-MW22 — Lab Sample ID: 570-9221-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	160		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0251		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0241	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Selenium	0.0249	J	0.100	0.0244	mg/L	1		6010B	Total/NA
Mercury	0.0000579		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	273		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	590		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	31.8		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-41-MW11 — Lab Sample ID: 570-9221-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.00033	J	0.00050	0.000087	mg/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.000098	J	0.00050	0.000068	mg/L	1		8260B	Total/NA
Fluorene	0.000012	J	0.00019	0.000012	mg/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.000057	J	0.00019	0.0000099	mg/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.000064	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA
Naphthalene	0.000071	J	0.00019	0.000013	mg/L	1		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-41-MW11 (Continued) — Lab Sample ID: 570-9221-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenanthrene	0.0000092	J	0.00019	0.0000048	mg/L	1		8270C SIM	Total/NA
Sulfate	90		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0453	F2	0.0100	0.00308	mg/L	1		6010B	Total/NA
Chromium	0.0124	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Lead	0.0238	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Selenium	0.0346	J	0.100	0.0244	mg/L	1		6010B	Total/NA
Mercury	0.0000707		0.0000500	0.0000321	mg/L	1		7470A Low Level	Total/NA
Alkalinity, Total (As CaCO3)	471		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	950		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	157		20.0	5.94	mg/L	10		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-9221-6

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-B6/MW32

Date Collected: 10/03/19 09:55
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0012**		0.00050	0.000072	mg/L			10/16/19 05:40	1
Toluene	ND		0.00050	0.000093	mg/L			10/16/19 05:40	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/16/19 05:40	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/16/19 05:40	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/16/19 05:40	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/16/19 05:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/16/19 05:40	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/16/19 05:40	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/16/19 05:40	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/16/19 05:40	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/16/19 05:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/16/19 05:40	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/16/19 05:40	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 05:40	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/16/19 05:40	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/16/19 05:40	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/16/19 05:40	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/16/19 05:40	1
1,2,4-Trimethylbenzene	**0.00036**	**J**	0.00050	0.000068	mg/L			10/16/19 05:40	1
1,3,5-Trimethylbenzene	**0.00028**	**J**	0.00050	0.000079	mg/L			10/16/19 05:40	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/16/19 05:40	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/16/19 05:40	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/16/19 05:40	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/16/19 05:40	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/16/19 05:40	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/16/19 05:40	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/16/19 05:40	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/16/19 05:40	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/16/19 05:40	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/16/19 05:40	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/16/19 05:40	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/16/19 05:40	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/16/19 05:40	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/16/19 05:40	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/16/19 05:40	1
Acetone	ND		0.010	0.0040	mg/L			10/16/19 05:40	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/16/19 05:40	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/16/19 05:40	1
Bromoform	ND		0.00050	0.000096	mg/L			10/16/19 05:40	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/16/19 05:40	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/16/19 05:40	1
Carbon tetrachloride	ND	*	0.00050	0.000057	mg/L			10/16/19 05:40	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/16/19 05:40	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/16/19 05:40	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/16/19 05:40	1
Chloroform	ND		0.00050	0.000062	mg/L			10/16/19 05:40	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/16/19 05:40	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/16/19 05:40	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/16/19 05:40	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-B6/MW32

Date Collected: 10/03/19 09:55
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/16/19 05:40	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/16/19 05:40	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/16/19 05:40	1
Isopropylbenzene	**0.0016**		0.00050	0.000077	mg/L			10/16/19 05:40	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/16/19 05:40	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/16/19 05:40	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/16/19 05:40	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/16/19 05:40	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/16/19 05:40	1
N-Propylbenzene	**0.000094**	**J**	0.00050	0.000076	mg/L			10/16/19 05:40	1
p-Isopropyltoluene	**0.00035**	**J**	0.00050	0.000074	mg/L			10/16/19 05:40	1
sec-Butylbenzene	**0.0017**		0.00050	0.000095	mg/L			10/16/19 05:40	1
Styrene	ND		0.00050	0.000059	mg/L			10/16/19 05:40	1
tert-Butylbenzene	**0.0010**		0.00050	0.000082	mg/L			10/16/19 05:40	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/16/19 05:40	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 05:40	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/16/19 05:40	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/16/19 05:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 128*		*10/16/19 05:40*	*1*
4-Bromofluorobenzene (Surr)	*106*		*68 - 120*		*10/16/19 05:40*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 127*		*10/16/19 05:40*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/16/19 05:40*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 21:31	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 21:31	1
Anthracene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 21:31	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 21:31	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/07/19 17:19	10/09/19 21:31	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 21:31	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/07/19 17:19	10/09/19 21:31	1
Benzo[k]fluoranthene	ND		0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 21:31	1
Chrysene	ND		0.00019	0.000022	mg/L		10/07/19 17:19	10/09/19 21:31	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 21:31	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 21:31	1
Fluorene	**0.00052**		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 21:31	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 21:31	1
1-Methylnaphthalene	**0.00011**	**J**	0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 21:31	1
2-Methylnaphthalene	**0.000016**	**J**	0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 21:31	1
Naphthalene	**0.00014**	**J**	0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 21:31	1
Phenanthrene	**0.0000059**	**J**	0.00019	0.0000048	mg/L		10/07/19 17:19	10/09/19 21:31	1
Pyrene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 21:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*33 - 144*	*10/07/19 17:19*	*10/09/19 21:31*	*1*
Nitrobenzene-d5 (Surr)	*83*		*28 - 139*	*10/07/19 17:19*	*10/09/19 21:31*	*1*
p-Terphenyl-d14 (Surr)	*83*		*23 - 160*	*10/07/19 17:19*	*10/09/19 21:31*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-B6/MW32

Date Collected: 10/03/19 09:55
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-1
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**36**		10	4.9	mg/L			10/05/19 04:06	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/10/19 15:00	10/11/19 17:11	1
Barium	**0.302**		0.0100	0.00308	mg/L		10/10/19 15:00	10/11/19 17:11	1
Cadmium	ND		0.0100	0.00210	mg/L		10/10/19 15:00	10/11/19 17:11	1
Chromium	**0.00840**	**J**	0.0500	0.00688	mg/L		10/10/19 15:00	10/11/19 17:11	1
Lead	**0.0246**	**J**	0.0500	0.00821	mg/L		10/10/19 15:00	10/11/19 17:11	1
Selenium	ND		0.100	0.0244	mg/L		10/10/19 15:00	10/11/19 17:11	1
Silver	ND		0.0100	0.00298	mg/L		10/10/19 15:00	10/11/19 17:11	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000117**		0.0000500	0.0000321	mg/L		10/11/19 13:00	10/13/19 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**488**		5.00	1.69	mg/L			10/07/19 19:12	1
Total Dissolved Solids	**605**		1.00	0.870	mg/L			10/09/19 09:00	1
Chloride	**49.9**		2.00	0.594	mg/L			10/12/19 10:34	1

Client Sample ID: W-40-B5/MW31

Date Collected: 10/03/19 12:48
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00011**	**J**	0.00050	0.000072	mg/L			10/16/19 06:10	1
Toluene	ND		0.00050	0.000093	mg/L			10/16/19 06:10	1
Ethylbenzene	**0.00013**	**J**	0.00050	0.000087	mg/L			10/16/19 06:10	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/16/19 06:10	1
m,p-Xylene	**0.00033**	**J**	0.0010	0.00015	mg/L			10/16/19 06:10	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/16/19 06:10	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/16/19 06:10	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/16/19 06:10	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/16/19 06:10	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/16/19 06:10	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/16/19 06:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/16/19 06:10	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/16/19 06:10	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 06:10	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/16/19 06:10	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/16/19 06:10	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/16/19 06:10	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/16/19 06:10	1
1,2,4-Trimethylbenzene	**0.0025**		0.00050	0.000068	mg/L			10/16/19 06:10	1
1,3,5-Trimethylbenzene	**0.00061**		0.00050	0.000079	mg/L			10/16/19 06:10	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/16/19 06:10	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/16/19 06:10	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/16/19 06:10	1

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-40-B5/MW31

Date Collected: 10/03/19 12:48
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/16/19 06:10	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/16/19 06:10	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/16/19 06:10	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/16/19 06:10	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/16/19 06:10	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/16/19 06:10	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/16/19 06:10	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/16/19 06:10	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/16/19 06:10	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/16/19 06:10	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/16/19 06:10	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/16/19 06:10	1
Acetone	ND		0.010	0.0040	mg/L			10/16/19 06:10	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/16/19 06:10	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/16/19 06:10	1
Bromoform	ND		0.00050	0.000096	mg/L			10/16/19 06:10	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/16/19 06:10	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/16/19 06:10	1
Carbon tetrachloride	ND	*	0.00050	0.000057	mg/L			10/16/19 06:10	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/16/19 06:10	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/16/19 06:10	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/16/19 06:10	1
Chloroform	ND		0.00050	0.000062	mg/L			10/16/19 06:10	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/16/19 06:10	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/16/19 06:10	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/16/19 06:10	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/16/19 06:10	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/16/19 06:10	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/16/19 06:10	1
Isopropylbenzene	**0.00025**	**J**	0.00050	0.000077	mg/L			10/16/19 06:10	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/16/19 06:10	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/16/19 06:10	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/16/19 06:10	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/16/19 06:10	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/16/19 06:10	1
N-Propylbenzene	**0.00015**	**J**	0.00050	0.000076	mg/L			10/16/19 06:10	1
p-Isopropyltoluene	**0.00020**	**J**	0.00050	0.000074	mg/L			10/16/19 06:10	1
sec-Butylbenzene	**0.00052**		0.00050	0.000095	mg/L			10/16/19 06:10	1
Styrene	ND		0.00050	0.000059	mg/L			10/16/19 06:10	1
tert-Butylbenzene	**0.00016**	**J**	0.00050	0.000082	mg/L			10/16/19 06:10	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/16/19 06:10	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 06:10	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/16/19 06:10	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/16/19 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 128*		*10/16/19 06:10*	*1*
4-Bromofluorobenzene (Surr)	*101*		*68 - 120*		*10/16/19 06:10*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 127*		*10/16/19 06:10*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*10/16/19 06:10*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-40-B5/MW31

Date Collected: 10/03/19 12:48
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-2

Matrix: Water

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 12:27	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 12:27	1
Anthracene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 12:27	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 12:27	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/07/19 17:19	10/09/19 12:27	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 12:27	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/07/19 17:19	10/09/19 12:27	1
Benzo[k]fluoranthene	ND		0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 12:27	1
Chrysene	ND		0.00019	0.000022	mg/L		10/07/19 17:19	10/09/19 12:27	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 12:27	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 12:27	1
Fluorene	**0.00024**		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 12:27	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 12:27	1
1-Methylnaphthalene	**0.00026**		0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 12:27	1
2-Methylnaphthalene	**0.000093**	**J**	0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 12:27	1
Naphthalene	**0.000079**	**J**	0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 12:27	1
Phenanthrene	**0.000032**	**J**	0.00019	0.0000048	mg/L		10/07/19 17:19	10/09/19 12:27	1
Pyrene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*104*		*33 - 144*	*10/07/19 17:19*	*10/09/19 12:27*	*1*
Nitrobenzene-d5 (Surr)	*95*		*28 - 139*	*10/07/19 17:19*	*10/09/19 12:27*	*1*
p-Terphenyl-d14 (Surr)	*105*		*23 - 160*	*10/07/19 17:19*	*10/09/19 12:27*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**88**		10	4.9	mg/L			10/05/19 04:27	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/10/19 15:00	10/11/19 17:14	1
Barium	**0.211**		0.0100	0.00308	mg/L		10/10/19 15:00	10/11/19 17:14	1
Cadmium	ND		0.0100	0.00210	mg/L		10/10/19 15:00	10/11/19 17:14	1
Chromium	ND		0.0500	0.00688	mg/L		10/10/19 15:00	10/11/19 17:14	1
Lead	**0.0204**	**J**	0.0500	0.00821	mg/L		10/10/19 15:00	10/11/19 17:14	1
Selenium	**0.0321**	**J**	0.100	0.0244	mg/L		10/10/19 15:00	10/11/19 17:14	1
Silver	ND		0.0100	0.00298	mg/L		10/10/19 15:00	10/11/19 17:14	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000458**	**J**	0.0000500	0.0000321	mg/L		10/11/19 13:00	10/13/19 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**377**		5.00	1.69	mg/L			10/07/19 19:25	1
Total Dissolved Solids	**635**		1.00	0.870	mg/L			10/09/19 09:00	1
Chloride	**751**		20.0	5.94	mg/L			10/12/19 10:34	10

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW17

Date Collected: 10/03/19 11:51
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.12**		0.010	0.0014	mg/L			10/16/19 07:38	20
Toluene	ND		0.010	0.0019	mg/L			10/16/19 07:38	20
Ethylbenzene	**0.73**		0.010	0.0017	mg/L			10/16/19 07:38	20
o-Xylene	**0.011**		0.010	0.0017	mg/L			10/16/19 07:38	20
m,p-Xylene	**0.19**		0.020	0.0030	mg/L			10/16/19 07:38	20
Xylenes, Total	**0.20**		0.020	0.010	mg/L			10/16/19 07:38	20
Methyl-t-Butyl Ether (MTBE)	ND		0.010	0.0013	mg/L			10/16/19 07:38	20
1,1,1,2-Tetrachloroethane	ND		0.010	0.0014	mg/L			10/16/19 07:38	20
1,1,1-Trichloroethane	ND		0.010	0.0017	mg/L			10/16/19 07:38	20
1,1,2,2-Tetrachloroethane	ND		0.010	0.0017	mg/L			10/16/19 07:38	20
1,1,2-Trichloroethane	ND		0.010	0.0014	mg/L			10/16/19 07:38	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.010	0.0025	mg/L			10/16/19 07:38	20
1,1-Dichloroethane	ND		0.010	0.0012	mg/L			10/16/19 07:38	20
1,1-Dichloroethene	ND		0.010	0.0021	mg/L			10/16/19 07:38	20
1,1-Dichloropropene	ND		0.010	0.0014	mg/L			10/16/19 07:38	20
1,2,3-Trichlorobenzene	ND		0.010	0.0024	mg/L			10/16/19 07:38	20
1,2,3-Trichloropropane	ND		0.020	0.0015	mg/L			10/16/19 07:38	20
1,2,4-Trichlorobenzene	ND		0.010	0.0018	mg/L			10/16/19 07:38	20
1,2,4-Trimethylbenzene	**0.14**		0.010	0.0014	mg/L			10/16/19 07:38	20
1,3,5-Trimethylbenzene	**0.013**		0.010	0.0016	mg/L			10/16/19 07:38	20
c-1,2-Dichloroethene	ND		0.010	0.0022	mg/L			10/16/19 07:38	20
1,2-Dibromo-3-Chloropropane	ND		0.10	0.010	mg/L			10/16/19 07:38	20
1,2-Dichlorobenzene	ND		0.010	0.0016	mg/L			10/16/19 07:38	20
1,2-Dichloroethane	ND		0.010	0.0015	mg/L			10/16/19 07:38	20
1,2-Dichloropropane	ND		0.010	0.0020	mg/L			10/16/19 07:38	20
t-1,2-Dichloroethene	ND		0.010	0.0016	mg/L			10/16/19 07:38	20
c-1,3-Dichloropropene	ND		0.010	0.0019	mg/L			10/16/19 07:38	20
1,3-Dichlorobenzene	ND		0.010	0.0020	mg/L			10/16/19 07:38	20
1,3-Dichloropropane	ND		0.020	0.0016	mg/L			10/16/19 07:38	20
t-1,3-Dichloropropene	ND		0.010	0.0011	mg/L			10/16/19 07:38	20
1,4-Dichlorobenzene	ND		0.010	0.0015	mg/L			10/16/19 07:38	20
2,2-Dichloropropane	ND		0.020	0.0075	mg/L			10/16/19 07:38	20
2-Chlorotoluene	ND		0.010	0.0012	mg/L			10/16/19 07:38	20
4-Chlorotoluene	ND		0.010	0.0018	mg/L			10/16/19 07:38	20
4-Methyl-2-pentanone	ND		0.10	0.0083	mg/L			10/16/19 07:38	20
Acetone	ND		0.20	0.080	mg/L			10/16/19 07:38	20
Bromobenzene	ND		0.010	0.0012	mg/L			10/16/19 07:38	20
Bromochloromethane	ND		0.020	0.0016	mg/L			10/16/19 07:38	20
Bromoform	ND		0.010	0.0019	mg/L			10/16/19 07:38	20
Bromomethane	ND		0.040	0.020	mg/L			10/16/19 07:38	20
Carbon disulfide	ND		0.20	0.0077	mg/L			10/16/19 07:38	20
Carbon tetrachloride	ND	*	0.010	0.0011	mg/L			10/16/19 07:38	20
Chlorobenzene	ND		0.010	0.0018	mg/L			10/16/19 07:38	20
Dibromochloromethane	ND		0.010	0.0013	mg/L			10/16/19 07:38	20
Chloroethane	ND		0.010	0.0023	mg/L			10/16/19 07:38	20
Chloroform	ND		0.010	0.0012	mg/L			10/16/19 07:38	20
Chloromethane	ND		0.10	0.039	mg/L			10/16/19 07:38	20
Dibromomethane	ND		0.010	0.0025	mg/L			10/16/19 07:38	20
Bromodichloromethane	ND		0.010	0.0011	mg/L			10/16/19 07:38	20

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW17

Date Collected: 10/03/19 11:51
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.020	0.0020	mg/L			10/16/19 07:38	20
1,2-Dibromoethane	ND		0.010	0.0012	mg/L			10/16/19 07:38	20
Hexachloro-1,3-butadiene	ND		0.040	0.012	mg/L			10/16/19 07:38	20
Isopropylbenzene	**0.052**		0.010	0.0015	mg/L			10/16/19 07:38	20
2-Butanone	ND		0.10	0.0092	mg/L			10/16/19 07:38	20
Methylene Chloride	ND		0.020	0.00085	mg/L			10/16/19 07:38	20
2-Hexanone	ND		0.20	0.010	mg/L			10/16/19 07:38	20
Naphthalene	**0.091**		0.020	0.0019	mg/L			10/16/19 07:38	20
n-Butylbenzene	**0.0053**	**J**	0.010	0.0022	mg/L			10/16/19 07:38	20
N-Propylbenzene	**0.050**		0.010	0.0015	mg/L			10/16/19 07:38	20
p-Isopropyltoluene	**0.0015**	**J**	0.010	0.0015	mg/L			10/16/19 07:38	20
sec-Butylbenzene	**0.0066**	**J**	0.010	0.0019	mg/L			10/16/19 07:38	20
Styrene	ND		0.010	0.0012	mg/L			10/16/19 07:38	20
tert-Butylbenzene	ND		0.010	0.0016	mg/L			10/16/19 07:38	20
Tetrachloroethene	ND		0.010	0.0048	mg/L			10/16/19 07:38	20
Trichloroethene	ND		0.010	0.0020	mg/L			10/16/19 07:38	20
Trichlorofluoromethane	ND		0.010	0.0021	mg/L			10/16/19 07:38	20
Vinyl chloride	ND		0.010	0.0016	mg/L			10/16/19 07:38	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*80 - 128*		*10/16/19 07:38*	*20*
4-Bromofluorobenzene (Surr)	*105*		*68 - 120*		*10/16/19 07:38*	*20*
Dibromofluoromethane (Surr)	*103*		*80 - 127*		*10/16/19 07:38*	*20*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/16/19 07:38*	*20*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.00027**		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:13	1
Acenaphthylene	**0.00017**	**J**	0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 20:13	1
Anthracene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 20:13	1
Benzo[a]anthracene	**0.000023**	**J**	0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:13	1
Benzo[a]pyrene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 20:13	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:13	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/07/19 17:19	10/09/19 20:13	1
Benzo[k]fluoranthene	ND		0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 20:13	1
Chrysene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:13	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 20:13	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 20:13	1
Fluorene	**0.0021**		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:13	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:13	1
Phenanthrene	**0.0012**		0.00019	0.0000048	mg/L		10/07/19 17:19	10/09/19 20:13	1
Pyrene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*33 - 144*	*10/07/19 17:19*	*10/09/19 20:13*	*1*
Nitrobenzene-d5 (Surr)	*91*		*28 - 139*	*10/07/19 17:19*	*10/09/19 20:13*	*1*
p-Terphenyl-d14 (Surr)	*85*		*23 - 160*	*10/07/19 17:19*	*10/09/19 20:13*	*1*

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW17

Lab Sample ID: 570-9221-3
Matrix: Water
Date Collected: 10/03/19 11:51
Date Received: 10/04/19 09:45

Method: 8270C SIM - PAHs (GC/MS SIM) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.042		0.0019	0.000099	mg/L		10/07/19 17:19	10/10/19 11:28	10
2-Methylnaphthalene	0.048		0.0019	0.00013	mg/L		10/07/19 17:19	10/10/19 11:28	10
Naphthalene	0.080		0.0019	0.00013	mg/L		10/07/19 17:19	10/10/19 11:28	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*94*		*33 - 144*	*10/07/19 17:19*	*10/10/19 11:28*	*10*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*10/07/19 17:19*	*10/10/19 11:28*	*10*
p-Terphenyl-d14 (Surr)	*85*		*23 - 160*	*10/07/19 17:19*	*10/10/19 11:28*	*10*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		10	4.9	mg/L			10/05/19 04:47	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/10/19 15:00	10/11/19 17:26	1
Barium	9.99		0.0100	0.00308	mg/L		10/10/19 15:00	10/11/19 17:26	1
Cadmium	ND		0.0100	0.00210	mg/L		10/10/19 15:00	10/11/19 17:26	1
Chromium	ND		0.0500	0.00688	mg/L		10/10/19 15:00	10/11/19 17:26	1
Lead	0.0286	J	0.0500	0.00821	mg/L		10/10/19 15:00	10/11/19 17:26	1
Selenium	0.0297	J	0.100	0.0244	mg/L		10/10/19 15:00	10/11/19 17:26	1
Silver	ND		0.0100	0.00298	mg/L		10/10/19 15:00	10/11/19 17:26	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0000580		0.0000500	0.0000321	mg/L		10/11/19 13:00	10/13/19 12:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	847		5.00	1.69	mg/L			10/07/19 19:32	1
Total Dissolved Solids	840		1.00	0.870	mg/L			10/09/19 09:00	1
Chloride	4.63		2.00	0.594	mg/L			10/12/19 10:34	1

Client Sample ID: W-42-MW22

Lab Sample ID: 570-9221-4
Matrix: Water
Date Collected: 10/03/19 09:47
Date Received: 10/04/19 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/16/19 06:39	1
Toluene	ND		0.00050	0.000093	mg/L			10/16/19 06:39	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/16/19 06:39	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/16/19 06:39	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/16/19 06:39	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/16/19 06:39	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/16/19 06:39	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/16/19 06:39	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/16/19 06:39	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/16/19 06:39	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/16/19 06:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/16/19 06:39	1

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Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW22
Date Collected: 10/03/19 09:47
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/16/19 06:39	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 06:39	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/16/19 06:39	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/16/19 06:39	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/16/19 06:39	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/16/19 06:39	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/16/19 06:39	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/16/19 06:39	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/16/19 06:39	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/16/19 06:39	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/16/19 06:39	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/16/19 06:39	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/16/19 06:39	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/16/19 06:39	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/16/19 06:39	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/16/19 06:39	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/16/19 06:39	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/16/19 06:39	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/16/19 06:39	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/16/19 06:39	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/16/19 06:39	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/16/19 06:39	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/16/19 06:39	1
Acetone	ND		0.010	0.0040	mg/L			10/16/19 06:39	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/16/19 06:39	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/16/19 06:39	1
Bromoform	ND		0.00050	0.000096	mg/L			10/16/19 06:39	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/16/19 06:39	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/16/19 06:39	1
Carbon tetrachloride	ND	*	0.00050	0.000057	mg/L			10/16/19 06:39	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/16/19 06:39	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/16/19 06:39	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/16/19 06:39	1
Chloroform	ND		0.00050	0.000062	mg/L			10/16/19 06:39	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/16/19 06:39	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/16/19 06:39	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/16/19 06:39	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/16/19 06:39	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/16/19 06:39	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/16/19 06:39	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/16/19 06:39	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/16/19 06:39	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/16/19 06:39	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/16/19 06:39	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/16/19 06:39	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/16/19 06:39	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/16/19 06:39	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/16/19 06:39	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/16/19 06:39	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW22
Date Collected: 10/03/19 09:47
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	ND		0.00050	0.000059	mg/L			10/16/19 06:39	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/16/19 06:39	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/16/19 06:39	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 06:39	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/16/19 06:39	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/16/19 06:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*80 - 128*		*10/16/19 06:39*	*1*
4-Bromofluorobenzene (Surr)	*101*		*68 - 120*		*10/16/19 06:39*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 127*		*10/16/19 06:39*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/16/19 06:39*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:32	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 20:32	1
Anthracene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 20:32	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:32	1
Benzo[a]pyrene	ND		0.00019	0.000018	mg/L		10/07/19 17:19	10/09/19 20:32	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:32	1
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/07/19 17:19	10/09/19 20:32	1
Benzo[k]fluoranthene	ND		0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 20:32	1
Chrysene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:32	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 20:32	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 20:32	1
Fluorene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:32	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:32	1
1-Methylnaphthalene	ND		0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 20:32	1
2-Methylnaphthalene	ND		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:32	1
Naphthalene	ND		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:32	1
Phenanthrene	ND		0.00019	0.0000048	mg/L		10/07/19 17:19	10/09/19 20:32	1
Pyrene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*91*		*33 - 144*	*10/07/19 17:19*	*10/09/19 20:32*	*1*
Nitrobenzene-d5 (Surr)	*84*		*28 - 139*	*10/07/19 17:19*	*10/09/19 20:32*	*1*
p-Terphenyl-d14 (Surr)	*97*		*23 - 160*	*10/07/19 17:19*	*10/09/19 20:32*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**160**		10	4.9	mg/L			10/05/19 05:08	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/10/19 15:00	10/11/19 17:29	1
Barium	**0.0251**		0.0100	0.00308	mg/L		10/10/19 15:00	10/11/19 17:29	1
Cadmium	ND		0.0100	0.00210	mg/L		10/10/19 15:00	10/11/19 17:29	1
Chromium	ND		0.0500	0.00688	mg/L		10/10/19 15:00	10/11/19 17:29	1
Lead	**0.0241**	**J**	0.0500	0.00821	mg/L		10/10/19 15:00	10/11/19 17:29	1
Selenium	**0.0249**	**J**	0.100	0.0244	mg/L		10/10/19 15:00	10/11/19 17:29	1

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Client Sample Results

Client: Cardno, Inc
Job ID: 570-9221-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-42-MW22
Lab Sample ID: 570-9221-4
Date Collected: 10/03/19 09:47
Matrix: Water
Date Received: 10/04/19 09:45

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0100	0.00298	mg/L		10/10/19 15:00	10/11/19 17:29	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000579**		0.0000500	0.0000321	mg/L		10/11/19 13:00	10/13/19 12:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**273**		5.00	1.69	mg/L			10/07/19 19:39	1
Total Dissolved Solids	**590**		1.00	0.870	mg/L			10/09/19 09:00	1
Chloride	**31.8**		2.00	0.594	mg/L			10/12/19 10:34	1

Client Sample ID: W-41-MW11
Lab Sample ID: 570-9221-5
Date Collected: 10/03/19 14:00
Matrix: Water
Date Received: 10/04/19 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/16/19 07:09	1
Toluene	ND		0.00050	0.000093	mg/L			10/16/19 07:09	1
Ethylbenzene	**0.00033**	**J**	0.00050	0.000087	mg/L			10/16/19 07:09	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/16/19 07:09	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/16/19 07:09	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/16/19 07:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/16/19 07:09	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/16/19 07:09	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/16/19 07:09	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/16/19 07:09	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/16/19 07:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/16/19 07:09	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/16/19 07:09	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 07:09	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/16/19 07:09	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/16/19 07:09	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/16/19 07:09	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/16/19 07:09	1
1,2,4-Trimethylbenzene	**0.000098**	**J**	0.00050	0.000068	mg/L			10/16/19 07:09	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/16/19 07:09	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/16/19 07:09	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/16/19 07:09	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/16/19 07:09	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/16/19 07:09	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/16/19 07:09	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/16/19 07:09	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/16/19 07:09	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/16/19 07:09	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/16/19 07:09	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/16/19 07:09	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/16/19 07:09	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/16/19 07:09	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-41-MW11

Date Collected: 10/03/19 14:00
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-5

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/16/19 07:09	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/16/19 07:09	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/16/19 07:09	1
Acetone	ND		0.010	0.0040	mg/L			10/16/19 07:09	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/16/19 07:09	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/16/19 07:09	1
Bromoform	ND		0.00050	0.000096	mg/L			10/16/19 07:09	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/16/19 07:09	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/16/19 07:09	1
Carbon tetrachloride	ND	*	0.00050	0.000057	mg/L			10/16/19 07:09	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/16/19 07:09	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/16/19 07:09	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/16/19 07:09	1
Chloroform	ND		0.00050	0.000062	mg/L			10/16/19 07:09	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/16/19 07:09	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/16/19 07:09	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/16/19 07:09	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/16/19 07:09	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/16/19 07:09	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/16/19 07:09	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/16/19 07:09	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/16/19 07:09	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/16/19 07:09	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/16/19 07:09	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/16/19 07:09	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/16/19 07:09	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/16/19 07:09	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/16/19 07:09	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/16/19 07:09	1
Styrene	ND		0.00050	0.000059	mg/L			10/16/19 07:09	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/16/19 07:09	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/16/19 07:09	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 07:09	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/16/19 07:09	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/16/19 07:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 128*		*10/16/19 07:09*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 120*		*10/16/19 07:09*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 127*		*10/16/19 07:09*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*10/16/19 07:09*	*1*

Method: 8270C SIM - PAHs (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:51	1
Acenaphthylene	ND		0.00019	0.000010	mg/L		10/07/19 17:19	10/09/19 20:51	1
Anthracene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 20:51	1
Benzo[a]anthracene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:51	1
Benzo[a]pyrene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 20:51	1
Benzo[b]fluoranthene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:51	1

Client Sample Results

Client: Cardno, Inc
Job ID: 570-9221-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-41-MW11
Lab Sample ID: 570-9221-5
Date Collected: 10/03/19 14:00
Matrix: Water
Date Received: 10/04/19 09:45

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	ND		0.00019	0.000020	mg/L		10/07/19 17:19	10/09/19 20:51	1
Benzo[k]fluoranthene	ND		0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 20:51	1
Chrysene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:51	1
Dibenz(a,h)anthracene	ND		0.00019	0.000017	mg/L		10/07/19 17:19	10/09/19 20:51	1
Fluoranthene	ND		0.00019	0.000014	mg/L		10/07/19 17:19	10/09/19 20:51	1
Fluorene	**0.000012**	**J**	0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:51	1
Indeno[1,2,3-cd]pyrene	ND		0.00019	0.000021	mg/L		10/07/19 17:19	10/09/19 20:51	1
1-Methylnaphthalene	**0.000057**	**J**	0.00019	0.0000099	mg/L		10/07/19 17:19	10/09/19 20:51	1
2-Methylnaphthalene	**0.000064**	**J**	0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:51	1
Naphthalene	**0.000071**	**J**	0.00019	0.000013	mg/L		10/07/19 17:19	10/09/19 20:51	1
Phenanthrene	**0.0000092**	**J**	0.00019	0.0000048	mg/L		10/07/19 17:19	10/09/19 20:51	1
Pyrene	ND		0.00019	0.000012	mg/L		10/07/19 17:19	10/09/19 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*99*		*33 - 144*	*10/07/19 17:19*	*10/09/19 20:51*	*1*
Nitrobenzene-d5 (Surr)	*91*		*28 - 139*	*10/07/19 17:19*	*10/09/19 20:51*	*1*
p-Terphenyl-d14 (Surr)	*95*		*23 - 160*	*10/07/19 17:19*	*10/09/19 20:51*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**90**		10	4.9	mg/L			10/05/19 05:28	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/10/19 15:00	10/11/19 17:33	1
Barium	**0.0453**	**F2**	0.0100	0.00308	mg/L		10/10/19 15:00	10/11/19 17:33	1
Cadmium	ND		0.0100	0.00210	mg/L		10/10/19 15:00	10/11/19 17:33	1
Chromium	**0.0124**	**J**	0.0500	0.00688	mg/L		10/10/19 15:00	10/11/19 17:33	1
Lead	**0.0238**	**J**	0.0500	0.00821	mg/L		10/10/19 15:00	10/11/19 17:33	1
Selenium	**0.0346**	**J**	0.100	0.0244	mg/L		10/10/19 15:00	10/11/19 17:33	1
Silver	ND	F2	0.0100	0.00298	mg/L		10/10/19 15:00	10/11/19 17:33	1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0000707**		0.0000500	0.0000321	mg/L		10/11/19 13:00	10/13/19 12:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**471**		5.00	1.69	mg/L			10/07/19 19:45	1
Total Dissolved Solids	**950**		1.00	0.870	mg/L			10/09/19 09:00	1
Chloride	**157**		20.0	5.94	mg/L			10/12/19 10:34	10

Client Sample ID: Trip Blank
Lab Sample ID: 570-9221-6
Date Collected: 10/03/19 14:00
Matrix: Water
Date Received: 10/04/19 09:45

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/16/19 05:10	1
Toluene	ND		0.00050	0.000093	mg/L			10/16/19 05:10	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/16/19 05:10	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: Trip Blank

Date Collected: 10/03/19 14:00
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.00050	0.000086	mg/L			10/16/19 05:10	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/16/19 05:10	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/16/19 05:10	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/16/19 05:10	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/16/19 05:10	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/16/19 05:10	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/16/19 05:10	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/16/19 05:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/16/19 05:10	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/16/19 05:10	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 05:10	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/16/19 05:10	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/16/19 05:10	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/16/19 05:10	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/16/19 05:10	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/16/19 05:10	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/16/19 05:10	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/16/19 05:10	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/16/19 05:10	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/16/19 05:10	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/16/19 05:10	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/16/19 05:10	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/16/19 05:10	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/16/19 05:10	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/16/19 05:10	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/16/19 05:10	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/16/19 05:10	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/16/19 05:10	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/16/19 05:10	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/16/19 05:10	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/16/19 05:10	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/16/19 05:10	1
Acetone	ND		0.010	0.0040	mg/L			10/16/19 05:10	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/16/19 05:10	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/16/19 05:10	1
Bromoform	ND		0.00050	0.000096	mg/L			10/16/19 05:10	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/16/19 05:10	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/16/19 05:10	1
Carbon tetrachloride	ND	*	0.00050	0.000057	mg/L			10/16/19 05:10	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/16/19 05:10	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/16/19 05:10	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/16/19 05:10	1
Chloroform	ND		0.00050	0.000062	mg/L			10/16/19 05:10	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/16/19 05:10	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/16/19 05:10	1
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/16/19 05:10	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/16/19 05:10	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/16/19 05:10	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/16/19 05:10	1

Client Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: Trip Blank

Date Collected: 10/03/19 14:00
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-6

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/16/19 05:10	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/16/19 05:10	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/16/19 05:10	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/16/19 05:10	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/16/19 05:10	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/16/19 05:10	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/16/19 05:10	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/16/19 05:10	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/16/19 05:10	1
Styrene	ND		0.00050	0.000059	mg/L			10/16/19 05:10	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/16/19 05:10	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/16/19 05:10	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/16/19 05:10	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/16/19 05:10	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/16/19 05:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 128*		*10/16/19 05:10*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 120*		*10/16/19 05:10*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 127*		*10/16/19 05:10*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*10/16/19 05:10*	*1*

Surrogate Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(80-128)	(68-120)	(80-127)	(80-120)
570-9050-A-2 MS	Matrix Spike	113	106	103	105
570-9050-A-2 MSD	Matrix Spike Duplicate	111	104	104	107
570-9221-1	W-42-B6/MW32	117	106	106	105
570-9221-2	W-40-B5/MW31	114	101	105	106
570-9221-3	W-42-MW17	114	105	103	104
570-9221-4	W-42-MW22	115	101	104	105
570-9221-5	W-41-MW11	117	102	102	105
570-9221-6	Trip Blank	118	102	102	104
LCS 570-26113/3	Lab Control Sample	109	104	99	102
MB 570-26113/5	Method Blank	109	100	98	103

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270C SIM - PAHs (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-9221-1	W-42-B6/MW32	85	83	83
570-9221-2	W-40-B5/MW31	104	95	105
570-9221-3	W-42-MW17	93	91	85
570-9221-3 - DL	W-42-MW17	94	75	85
570-9221-4	W-42-MW22	91	84	97
570-9221-5	W-41-MW11	99	91	95
LCS 570-24311/2-A	Lab Control Sample	88	80	94
LCSD 570-24311/3-A	Lab Control Sample Dup	94	94	98
MB 570-24311/1-A	Method Blank	97	83	96

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 570-26113/5
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00050	0.000072	mg/L			10/15/19 23:45	1
Toluene	ND		0.00050	0.000093	mg/L			10/15/19 23:45	1
Ethylbenzene	ND		0.00050	0.000087	mg/L			10/15/19 23:45	1
o-Xylene	ND		0.00050	0.000086	mg/L			10/15/19 23:45	1
m,p-Xylene	ND		0.0010	0.00015	mg/L			10/15/19 23:45	1
Xylenes, Total	ND		0.0010	0.00052	mg/L			10/15/19 23:45	1
Methyl-t-Butyl Ether (MTBE)	ND		0.00050	0.000067	mg/L			10/15/19 23:45	1
1,1,1,2-Tetrachloroethane	ND		0.00050	0.000070	mg/L			10/15/19 23:45	1
1,1,1-Trichloroethane	ND		0.00050	0.000084	mg/L			10/15/19 23:45	1
1,1,2,2-Tetrachloroethane	ND		0.00050	0.000087	mg/L			10/15/19 23:45	1
1,1,2-Trichloroethane	ND		0.00050	0.000069	mg/L			10/15/19 23:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.00050	0.00013	mg/L			10/15/19 23:45	1
1,1-Dichloroethane	ND		0.00050	0.000060	mg/L			10/15/19 23:45	1
1,1-Dichloroethene	ND		0.00050	0.00010	mg/L			10/15/19 23:45	1
1,1-Dichloropropene	ND		0.00050	0.000070	mg/L			10/15/19 23:45	1
1,2,3-Trichlorobenzene	ND		0.00050	0.00012	mg/L			10/15/19 23:45	1
1,2,3-Trichloropropane	ND		0.0010	0.000076	mg/L			10/15/19 23:45	1
1,2,4-Trichlorobenzene	ND		0.00050	0.000089	mg/L			10/15/19 23:45	1
1,2,4-Trimethylbenzene	ND		0.00050	0.000068	mg/L			10/15/19 23:45	1
1,3,5-Trimethylbenzene	ND		0.00050	0.000079	mg/L			10/15/19 23:45	1
c-1,2-Dichloroethene	ND		0.00050	0.00011	mg/L			10/15/19 23:45	1
1,2-Dibromo-3-Chloropropane	ND		0.0050	0.00051	mg/L			10/15/19 23:45	1
1,2-Dichlorobenzene	ND		0.00050	0.000082	mg/L			10/15/19 23:45	1
1,2-Dichloroethane	ND		0.00050	0.000075	mg/L			10/15/19 23:45	1
1,2-Dichloropropane	ND		0.00050	0.000099	mg/L			10/15/19 23:45	1
t-1,2-Dichloroethene	ND		0.00050	0.000082	mg/L			10/15/19 23:45	1
c-1,3-Dichloropropene	ND		0.00050	0.000096	mg/L			10/15/19 23:45	1
1,3-Dichlorobenzene	ND		0.00050	0.000098	mg/L			10/15/19 23:45	1
1,3-Dichloropropane	ND		0.0010	0.000082	mg/L			10/15/19 23:45	1
t-1,3-Dichloropropene	ND		0.00050	0.000053	mg/L			10/15/19 23:45	1
1,4-Dichlorobenzene	ND		0.00050	0.000073	mg/L			10/15/19 23:45	1
2,2-Dichloropropane	ND		0.0010	0.00038	mg/L			10/15/19 23:45	1
2-Chlorotoluene	ND		0.00050	0.000058	mg/L			10/15/19 23:45	1
4-Chlorotoluene	ND		0.00050	0.000091	mg/L			10/15/19 23:45	1
4-Methyl-2-pentanone	ND		0.0050	0.00042	mg/L			10/15/19 23:45	1
Acetone	ND		0.010	0.0040	mg/L			10/15/19 23:45	1
Bromobenzene	ND		0.00050	0.000061	mg/L			10/15/19 23:45	1
Bromochloromethane	ND		0.0010	0.000082	mg/L			10/15/19 23:45	1
Bromoform	ND		0.00050	0.000096	mg/L			10/15/19 23:45	1
Bromomethane	ND		0.0020	0.00099	mg/L			10/15/19 23:45	1
Carbon disulfide	ND		0.010	0.00039	mg/L			10/15/19 23:45	1
Carbon tetrachloride	ND		0.00050	0.000057	mg/L			10/15/19 23:45	1
Chlorobenzene	ND		0.00050	0.000088	mg/L			10/15/19 23:45	1
Dibromochloromethane	ND		0.00050	0.000064	mg/L			10/15/19 23:45	1
Chloroethane	ND		0.00050	0.00012	mg/L			10/15/19 23:45	1
Chloroform	ND		0.00050	0.000062	mg/L			10/15/19 23:45	1
Chloromethane	ND		0.0050	0.0020	mg/L			10/15/19 23:45	1
Dibromomethane	ND		0.00050	0.00013	mg/L			10/15/19 23:45	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 570-26113/5
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.00050	0.000053	mg/L			10/15/19 23:45	1
Dichlorodifluoromethane	ND		0.0010	0.000099	mg/L			10/15/19 23:45	1
1,2-Dibromoethane	ND		0.00050	0.000059	mg/L			10/15/19 23:45	1
Hexachloro-1,3-butadiene	ND		0.0020	0.00059	mg/L			10/15/19 23:45	1
Isopropylbenzene	ND		0.00050	0.000077	mg/L			10/15/19 23:45	1
2-Butanone	ND		0.0050	0.00046	mg/L			10/15/19 23:45	1
Methylene Chloride	ND		0.0010	0.000043	mg/L			10/15/19 23:45	1
2-Hexanone	ND		0.010	0.00050	mg/L			10/15/19 23:45	1
Naphthalene	ND		0.0010	0.000097	mg/L			10/15/19 23:45	1
n-Butylbenzene	ND		0.00050	0.00011	mg/L			10/15/19 23:45	1
N-Propylbenzene	ND		0.00050	0.000076	mg/L			10/15/19 23:45	1
p-Isopropyltoluene	ND		0.00050	0.000074	mg/L			10/15/19 23:45	1
sec-Butylbenzene	ND		0.00050	0.000095	mg/L			10/15/19 23:45	1
Styrene	ND		0.00050	0.000059	mg/L			10/15/19 23:45	1
tert-Butylbenzene	ND		0.00050	0.000082	mg/L			10/15/19 23:45	1
Tetrachloroethene	ND		0.00050	0.00024	mg/L			10/15/19 23:45	1
Trichloroethene	ND		0.00050	0.00010	mg/L			10/15/19 23:45	1
Trichlorofluoromethane	ND		0.00050	0.00010	mg/L			10/15/19 23:45	1
Vinyl chloride	ND		0.00050	0.000078	mg/L			10/15/19 23:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 128*		*10/15/19 23:45*	*1*
4-Bromofluorobenzene (Surr)	*100*		*68 - 120*		*10/15/19 23:45*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 127*		*10/15/19 23:45*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*10/15/19 23:45*	*1*

Lab Sample ID: LCS 570-26113/3
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0100	0.009463		mg/L		95	80 - 120
Toluene	0.0100	0.009277		mg/L		93	80 - 120
Ethylbenzene	0.0100	0.009333		mg/L		93	80 - 120
o-Xylene	0.0100	0.009683		mg/L		97	80 - 120
m,p-Xylene	0.0200	0.01946		mg/L		97	80 - 120
Methyl-t-Butyl Ether (MTBE)	0.0100	0.009671		mg/L		97	75 - 123
1,1-Dichloroethene	0.0100	0.009749		mg/L		97	77 - 120
1,2-Dichlorobenzene	0.0100	0.009457		mg/L		95	80 - 120
1,2-Dichloroethane	0.0100	0.01085		mg/L		108	80 - 122
Carbon tetrachloride	0.0100	0.007748	* me	mg/L		77	80 - 129
Chlorobenzene	0.0100	0.009330		mg/L		93	80 - 120
1,2-Dibromoethane	0.0100	0.009369		mg/L		94	80 - 120
Hexachloro-1,3-butadiene	0.0100	0.01173		mg/L		117	80 - 122
Trichloroethene	0.0100	0.009361		mg/L		94	80 - 120
Vinyl chloride	0.0100	0.01030		mg/L		103	63 - 135

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 570-26113/3
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*109*		*80 - 128*
4-Bromofluorobenzene (Surr)	*104*		*68 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 127*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: 570-9050-A-2 MS
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		0.200	0.1828		mg/L		91	75 - 125
Toluene	ND		0.200	0.1797		mg/L		90	75 - 125
Ethylbenzene	ND		0.200	0.1746		mg/L		87	75 - 125
o-Xylene	ND		0.200	0.1808		mg/L		90	75 - 127
m,p-Xylene	ND		0.400	0.3605		mg/L		90	75 - 125
Methyl-t-Butyl Ether (MTBE)	ND		0.200	0.1813		mg/L		91	71 - 131
1,1-Dichloroethene	0.0028	J	0.200	0.1964		mg/L		97	66 - 126
1,2-Dichlorobenzene	ND		0.200	0.1695		mg/L		85	75 - 125
1,2-Dichloroethane	ND		0.200	0.2185		mg/L		109	75 - 127
Carbon tetrachloride	0.0027	J *	0.200	0.1498		mg/L		74	69 - 135
Chlorobenzene	ND		0.200	0.1740		mg/L		87	75 - 125
1,2-Dibromoethane	ND		0.200	0.1729		mg/L		86	75 - 126
Hexachloro-1,3-butadiene	ND		0.200	0.2135		mg/L		107	75 - 129
Trichloroethene	0.087		0.200	0.2792		mg/L		96	75 - 125
Vinyl chloride	ND		0.200	0.2149		mg/L		107	52 - 142

Surrogate	MS %Recovery	MS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 128*
4-Bromofluorobenzene (Surr)	*106*		*68 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 127*
Toluene-d8 (Surr)	*105*		*80 - 120*

Lab Sample ID: 570-9050-A-2 MSD
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		0.200	0.1859		mg/L		93	75 - 125	2	20
Toluene	ND		0.200	0.1823		mg/L		91	75 - 125	1	20
Ethylbenzene	ND		0.200	0.1721		mg/L		86	75 - 125	1	20
o-Xylene	ND		0.200	0.1769		mg/L		88	75 - 127	2	20
m,p-Xylene	ND		0.400	0.3572		mg/L		89	75 - 125	1	20
Methyl-t-Butyl Ether (MTBE)	ND		0.200	0.1854		mg/L		93	71 - 131	2	20
1,1-Dichloroethene	0.0028	J	0.200	0.1968		mg/L		97	66 - 126	0	20
1,2-Dichlorobenzene	ND		0.200	0.1706		mg/L		85	75 - 125	1	20
1,2-Dichloroethane	ND		0.200	0.2184		mg/L		109	75 - 127	0	20
Carbon tetrachloride	0.0027	J *	0.200	0.1554		mg/L		76	69 - 135	4	20
Chlorobenzene	ND		0.200	0.1708		mg/L		85	75 - 125	2	20

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 570-9050-A-2 MSD
Matrix: Water
Analysis Batch: 26113

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dibromoethane	ND		0.200	0.1711		mg/L		86	75 - 126	1	20
Hexachloro-1,3-butadiene	ND		0.200	0.2203		mg/L		110	75 - 129	3	20
Trichloroethene	0.087		0.200	0.2790		mg/L		96	75 - 125	0	20
Vinyl chloride	ND		0.200	0.2484		mg/L		124	52 - 142	14	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*80 - 128*
4-Bromofluorobenzene (Surr)	*104*		*68 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 127*
Toluene-d8 (Surr)	*107*		*80 - 120*

Method: 8270C SIM - PAHs (GC/MS SIM)

Lab Sample ID: MB 570-24311/1-A
Matrix: Water
Analysis Batch: 24717

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 24311

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.00020	0.000013	mg/L		10/07/19 17:19	10/09/19 10:31	1
Acenaphthylene	ND		0.00020	0.000011	mg/L		10/07/19 17:19	10/09/19 10:31	1
Anthracene	ND		0.00020	0.000015	mg/L		10/07/19 17:19	10/09/19 10:31	1
Benzo[a]anthracene	ND		0.00020	0.000013	mg/L		10/07/19 17:19	10/09/19 10:31	1
Benzo[a]pyrene	ND		0.00020	0.000019	mg/L		10/07/19 17:19	10/09/19 10:31	1
Benzo[b]fluoranthene	ND		0.00020	0.000023	mg/L		10/07/19 17:19	10/09/19 10:31	1
Benzo[g,h,i]perylene	ND		0.00020	0.000021	mg/L		10/07/19 17:19	10/09/19 10:31	1
Benzo[k]fluoranthene	ND		0.00020	0.000011	mg/L		10/07/19 17:19	10/09/19 10:31	1
Chrysene	ND		0.00020	0.000023	mg/L		10/07/19 17:19	10/09/19 10:31	1
Dibenz(a,h)anthracene	ND		0.00020	0.000018	mg/L		10/07/19 17:19	10/09/19 10:31	1
Fluoranthene	ND		0.00020	0.000015	mg/L		10/07/19 17:19	10/09/19 10:31	1
Fluorene	ND		0.00020	0.000013	mg/L		10/07/19 17:19	10/09/19 10:31	1
Indeno[1,2,3-cd]pyrene	ND		0.00020	0.000022	mg/L		10/07/19 17:19	10/09/19 10:31	1
1-Methylnaphthalene	ND		0.00020	0.000011	mg/L		10/07/19 17:19	10/09/19 10:31	1
2-Methylnaphthalene	ND		0.00020	0.000013	mg/L		10/07/19 17:19	10/09/19 10:31	1
Naphthalene	ND		0.00020	0.000014	mg/L		10/07/19 17:19	10/09/19 10:31	1
Phenanthrene	ND		0.00020	0.0000051	mg/L		10/07/19 17:19	10/09/19 10:31	1
Pyrene	ND		0.00020	0.000012	mg/L		10/07/19 17:19	10/09/19 10:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*97*		*33 - 144*	*10/07/19 17:19*	*10/09/19 10:31*	*1*
Nitrobenzene-d5 (Surr)	*83*		*28 - 139*	*10/07/19 17:19*	*10/09/19 10:31*	*1*
p-Terphenyl-d14 (Surr)	*96*		*23 - 160*	*10/07/19 17:19*	*10/09/19 10:31*	*1*

Lab Sample ID: LCS 570-24311/2-A
Matrix: Water
Analysis Batch: 24717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24311

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.00200	0.001653		mg/L		83	55 - 121

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCS 570-24311/2-A
Matrix: Water
Analysis Batch: 24717

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 24311

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthylene			0.00200	0.001921		mg/L		96	33 - 145		
Anthracene			0.00200	0.001585		mg/L		79	27 - 133		
Benzo[a]anthracene			0.00200	0.001715		mg/L		86	33 - 143		
Benzo[a]pyrene			0.00200	0.001604		mg/L		80	17 - 163		
Benzo[b]fluoranthene			0.00200	0.001832		mg/L		92	24 - 159		
Benzo[g,h,i]perylene			0.00200	0.001697		mg/L		85	25 - 157		
Benzo[k]fluoranthene			0.00200	0.001809		mg/L		90	24 - 159		
Chrysene			0.00200	0.001743		mg/L		87	17 - 168		
Dibenz(a,h)anthracene			0.00200	0.001429		mg/L		71	25 - 175		
Fluoranthene			0.00200	0.001587		mg/L		79	26 - 137		
Fluorene			0.00200	0.001723		mg/L		86	59 - 121		
Indeno[1,2,3-cd]pyrene			0.00200	0.001571		mg/L		79	25 - 175		
1-Methylnaphthalene			0.00200	0.001523		mg/L		76	20 - 140		
2-Methylnaphthalene			0.00200	0.001652		mg/L		83	21 - 140		
Naphthalene			0.00200	0.001500		mg/L		75	21 - 133		
Phenanthrene			0.00200	0.001558		mg/L		78	54 - 120		
Pyrene			0.00200	0.001697		mg/L		85	45 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*
Nitrobenzene-d5 (Surr)	*80*		*28 - 139*
p-Terphenyl-d14 (Surr)	*94*		*23 - 160*

Lab Sample ID: LCSD 570-24311/3-A
Matrix: Water
Analysis Batch: 25043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24311

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			0.00200	0.001822		mg/L		91	55 - 121	10	25
Acenaphthylene			0.00200	0.002131		mg/L		107	33 - 145	10	25
Anthracene			0.00200	0.001736		mg/L		87	27 - 133	9	25
Benzo[a]anthracene			0.00200	0.001851		mg/L		93	33 - 143	8	25
Benzo[a]pyrene			0.00200	0.001760		mg/L		88	17 - 163	9	25
Benzo[b]fluoranthene			0.00200	0.001757		mg/L		88	24 - 159	4	25
Benzo[g,h,i]perylene			0.00200	0.001837		mg/L		92	25 - 157	8	25
Benzo[k]fluoranthene			0.00200	0.002041		mg/L		102	24 - 159	12	25
Chrysene			0.00200	0.001860		mg/L		93	17 - 168	6	25
Dibenz(a,h)anthracene			0.00200	0.001447		mg/L		72	25 - 175	1	25
Fluoranthene			0.00200	0.001729		mg/L		86	26 - 137	9	25
Fluorene			0.00200	0.001914		mg/L		96	59 - 121	10	25
Indeno[1,2,3-cd]pyrene			0.00200	0.001693		mg/L		85	25 - 175	7	25
1-Methylnaphthalene			0.00200	0.001716		mg/L		86	20 - 140	12	25
2-Methylnaphthalene			0.00200	0.001903		mg/L		95	21 - 140	14	25
Naphthalene			0.00200	0.001688		mg/L		84	21 - 133	12	25
Phenanthrene			0.00200	0.001679		mg/L		84	54 - 120	7	25
Pyrene			0.00200	0.001822		mg/L		91	45 - 129	7	25

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8270C SIM - PAHs (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 570-24311/3-A
Matrix: Water
Analysis Batch: 25043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 24311

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	94		33 - 144
Nitrobenzene-d5 (Surr)	94		28 - 139
p-Terphenyl-d14 (Surr)	98		23 - 160

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-23710/38
Matrix: Water
Analysis Batch: 23710

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		1.0	0.49	mg/L			10/05/19 01:03	1

Lab Sample ID: LCS 570-23710/39
Matrix: Water
Analysis Batch: 23710

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	50.0	48.35		mg/L		97	90 - 110

Lab Sample ID: 570-9219-B-1 MS
Matrix: Water
Analysis Batch: 23710

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	1400		50.0	1861	E	mg/L			

Lab Sample ID: 570-9219-B-1 MSD
Matrix: Water
Analysis Batch: 23710

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	1400		50.0	1864	E	mg/L				0	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-25201/1-A
Matrix: Water
Analysis Batch: 25493

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25201

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		10/10/19 15:00	10/11/19 16:13	1
Barium	ND		0.0100	0.00308	mg/L		10/10/19 15:00	10/11/19 16:13	1
Cadmium	ND		0.0100	0.00210	mg/L		10/10/19 15:00	10/11/19 16:13	1
Chromium	ND		0.0500	0.00688	mg/L		10/10/19 15:00	10/11/19 16:13	1
Lead	ND		0.0500	0.00821	mg/L		10/10/19 15:00	10/11/19 16:13	1
Selenium	ND		0.100	0.0244	mg/L		10/10/19 15:00	10/11/19 16:13	1
Silver	ND		0.0100	0.00298	mg/L		10/10/19 15:00	10/11/19 16:13	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 570-25201/2-A
Matrix: Water
Analysis Batch: 25493

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25201

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4685		mg/L		94	80 - 120
Barium	0.500	0.5272		mg/L		105	80 - 120
Cadmium	0.500	0.5015		mg/L		100	80 - 120
Chromium	0.500	0.4975		mg/L		99	80 - 120
Lead	0.500	0.5266		mg/L		105	80 - 120
Selenium	0.500	0.4967		mg/L		99	80 - 120
Silver	0.250	0.2328		mg/L		93	80 - 120

Lab Sample ID: LCSD 570-25201/3-A
Matrix: Water
Analysis Batch: 25493

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25201

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.500	0.4423		mg/L		88	80 - 120	6	20
Barium	0.500	0.4983		mg/L		100	80 - 120	6	20
Cadmium	0.500	0.4712		mg/L		94	80 - 120	6	20
Chromium	0.500	0.4681		mg/L		94	80 - 120	6	20
Lead	0.500	0.4995		mg/L		100	80 - 120	5	20
Selenium	0.500	0.4570		mg/L		91	80 - 120	8	20
Silver	0.250	0.2240		mg/L		90	80 - 120	4	20

Lab Sample ID: 570-9221-5 MS
Matrix: Water
Analysis Batch: 25493

Client Sample ID: W-41-MW11
Prep Type: Total/NA
Prep Batch: 25201

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5366		mg/L		107	80 - 140
Barium	0.0453	F2	0.500	0.6159		mg/L		114	87 - 123
Cadmium	ND		0.500	0.5563		mg/L		111	82 - 124
Chromium	0.0124	J	0.500	0.5689		mg/L		111	86 - 122
Lead	0.0238	J	0.500	0.5695		mg/L		109	84 - 120
Selenium	0.0346	J	0.500	0.5533		mg/L		104	79 - 127
Silver	ND	F2	0.250	0.2733		mg/L		109	86 - 128

Lab Sample ID: 570-9221-5 MSD
Matrix: Water
Analysis Batch: 25493

Client Sample ID: W-41-MW11
Prep Type: Total/NA
Prep Batch: 25201

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5147		mg/L		103	80 - 140	4	11
Barium	0.0453	F2	0.500	0.5307	F2	mg/L		97	87 - 123	15	6
Cadmium	ND		0.500	0.5264		mg/L		105	82 - 124	6	7
Chromium	0.0124	J	0.500	0.5255		mg/L		103	86 - 122	8	8
Lead	0.0238	J	0.500	0.5441		mg/L		104	84 - 120	5	7
Selenium	0.0346	J	0.500	0.5188		mg/L		97	79 - 127	6	9
Silver	ND	F2	0.250	0.2143	F2	mg/L		86	86 - 128	24	7

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 7470A Low Level - Mercury (CVAA) Low Level

Lab Sample ID: MB 570-25203/1-A
Matrix: Water
Analysis Batch: 25664

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 25203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.0000500	0.0000321	mg/L		10/11/19 13:00	10/13/19 11:23	1

Lab Sample ID: LCS 570-25203/2-A
Matrix: Water
Analysis Batch: 25664

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 25203

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.009686		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-25203/3-A
Matrix: Water
Analysis Batch: 25664

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 25203

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.009652		mg/L		97	80 - 120	0	20

Lab Sample ID: 570-9011-E-1-B MS
Matrix: Water
Analysis Batch: 25664

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 25203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0000969		0.0100	0.008362		mg/L		83	55 - 133

Lab Sample ID: 570-9011-E-1-C MSD
Matrix: Water
Analysis Batch: 25664

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 25203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0000969		0.0100	0.008869		mg/L		88	55 - 133	6	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-24454/10
Matrix: Water
Analysis Batch: 24454

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		5.00	1.69	mg/L			10/07/19 17:39	1

Lab Sample ID: LCS 570-24454/8
Matrix: Water
Analysis Batch: 24454

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total (As CaCO3)	100	93.99		mg/L		94	80 - 120

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: LCSD 570-24454/9
Matrix: Water
Analysis Batch: 24454

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)			100	96.44		mg/L		96	80 - 120	3	20

Lab Sample ID: 570-9221-1 DU
Matrix: Water
Analysis Batch: 24454

Client Sample ID: W-42-B6/MW32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total (As CaCO3)	488			491.1		mg/L				0.6	25

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 570-24704/1
Matrix: Water
Analysis Batch: 24704

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	ND		1.00	0.870	mg/L			10/09/19 09:00	1

Lab Sample ID: LCS 570-24704/2
Matrix: Water
Analysis Batch: 24704

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			100	95.00		mg/L		95	84 - 108		

Lab Sample ID: LCSD 570-24704/3
Matrix: Water
Analysis Batch: 24704

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids			100	90.00		mg/L		90	84 - 108	5	10

Lab Sample ID: 570-9142-B-1 DU
Matrix: Water
Analysis Batch: 24704

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	72.5			75.00		mg/L				3	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-25567/1
Matrix: Water
Analysis Batch: 25567

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.594	mg/L			10/12/19 10:34	1

QC Sample Results

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: SM 4500 Cl- C - Chloride, Total (Continued)

Lab Sample ID: LCS 570-25567/2
Matrix: Water
Analysis Batch: 25567

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	98.26		mg/L		98	91 - 114		

Lab Sample ID: LCSD 570-25567/3
Matrix: Water
Analysis Batch: 25567

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			100	96.25		mg/L		96	91 - 114	2	4

Lab Sample ID: 570-9221-5 MS
Matrix: Water
Analysis Batch: 25567

Client Sample ID: W-41-MW11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	157		1000	1124		mg/L		97	91 - 115		

Lab Sample ID: 570-9221-5 MSD
Matrix: Water
Analysis Batch: 25567

Client Sample ID: W-41-MW11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	157		1000	1144		mg/L		99	91 - 115	2	4

Marginal Exceedance (ME) Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: LCS 570-26113/3
Matrix: Water

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	%Rec	%Rec. Limits	ME %Rec. Limits	Marginal Exceedance Status
Benzene	0.0100	0.009463		mg/L	95	80 - 120	73 - 127	
Toluene	0.0100	0.009277		mg/L	93	80 - 120	73 - 127	
Ethylbenzene	0.0100	0.009333		mg/L	93	80 - 120	73 - 127	
o-Xylene	0.0100	0.009683		mg/L	97	80 - 120	73 - 127	
m,p-Xylene	0.0200	0.01946		mg/L	97	80 - 120	73 - 127	
Methyl-t-Butyl Ether (MTBE)	0.0100	0.009671		mg/L	97	75 - 123	67 - 131	
1,1-Dichloroethene	0.0100	0.009749		mg/L	97	77 - 120	70 - 127	
1,2-Dichlorobenzene	0.0100	0.009457		mg/L	95	80 - 120	73 - 127	
1,2-Dichloroethane	0.0100	0.01085		mg/L	108	80 - 122	73 - 127	
Carbon tetrachloride	0.0100	0.007748	* me	mg/L	77	80 - 129	72 - 137	ME
Chlorobenzene	0.0100	0.009330		mg/L	93	80 - 120	73 - 127	
1,2-Dibromoethane	0.0100	0.009369		mg/L	94	80 - 120	73 - 127	
Hexachloro-1,3-butadiene	0.0100	0.01173		mg/L	117	80 - 122	73 - 129	
Trichloroethene	0.0100	0.009361		mg/L	94	80 - 120	73 - 127	
Vinyl chloride	0.0100	0.01030		mg/L	103	63 - 135	51 - 147	

Summary

Number of Analytes Reported	Number of Marginal Exceedances Allowed	Number of Marginal Exceedances Found
15	1	1

ME = Marginal Exceedance

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

GC/MS VOA

Analysis Batch: 26113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	8260B	
570-9221-2	W-40-B5/MW31	Total/NA	Water	8260B	
570-9221-3	W-42-MW17	Total/NA	Water	8260B	
570-9221-4	W-42-MW22	Total/NA	Water	8260B	
570-9221-5	W-41-MW11	Total/NA	Water	8260B	
570-9221-6	Trip Blank	Total/NA	Water	8260B	
MB 570-26113/5	Method Blank	Total/NA	Water	8260B	
LCS 570-26113/3	Lab Control Sample	Total/NA	Water	8260B	
570-9050-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
570-9050-A-2 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 24311

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	3510C	
570-9221-2	W-40-B5/MW31	Total/NA	Water	3510C	
570-9221-3	W-42-MW17	Total/NA	Water	3510C	
570-9221-3 - DL	W-42-MW17	Total/NA	Water	3510C	
570-9221-4	W-42-MW22	Total/NA	Water	3510C	
570-9221-5	W-41-MW11	Total/NA	Water	3510C	
MB 570-24311/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-24311/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-24311/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 24717

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	8270C SIM	24311
570-9221-2	W-40-B5/MW31	Total/NA	Water	8270C SIM	24311
570-9221-3	W-42-MW17	Total/NA	Water	8270C SIM	24311
570-9221-4	W-42-MW22	Total/NA	Water	8270C SIM	24311
570-9221-5	W-41-MW11	Total/NA	Water	8270C SIM	24311
MB 570-24311/1-A	Method Blank	Total/NA	Water	8270C SIM	24311
LCS 570-24311/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	24311

Analysis Batch: 25043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-3 - DL	W-42-MW17	Total/NA	Water	8270C SIM	24311
LCSD 570-24311/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	24311

HPLC/IC

Analysis Batch: 23710

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	300.0	
570-9221-2	W-40-B5/MW31	Total/NA	Water	300.0	
570-9221-3	W-42-MW17	Total/NA	Water	300.0	
570-9221-4	W-42-MW22	Total/NA	Water	300.0	
570-9221-5	W-41-MW11	Total/NA	Water	300.0	
MB 570-23710/38	Method Blank	Total/NA	Water	300.0	
LCS 570-23710/39	Lab Control Sample	Total/NA	Water	300.0	
570-9219-B-1 MS	Matrix Spike	Total/NA	Water	300.0	

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

HPLC/IC (Continued)

Analysis Batch: 23710 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9219-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 25201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	3010A	
570-9221-2	W-40-B5/MW31	Total/NA	Water	3010A	
570-9221-3	W-42-MW17	Total/NA	Water	3010A	
570-9221-4	W-42-MW22	Total/NA	Water	3010A	
570-9221-5	W-41-MW11	Total/NA	Water	3010A	
MB 570-25201/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-25201/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-25201/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-9221-5 MS	W-41-MW11	Total/NA	Water	3010A	
570-9221-5 MSD	W-41-MW11	Total/NA	Water	3010A	

Prep Batch: 25203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	7470A	
570-9221-2	W-40-B5/MW31	Total/NA	Water	7470A	
570-9221-3	W-42-MW17	Total/NA	Water	7470A	
570-9221-4	W-42-MW22	Total/NA	Water	7470A	
570-9221-5	W-41-MW11	Total/NA	Water	7470A	
MB 570-25203/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-25203/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-25203/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-9011-E-1-B MS	Matrix Spike	Total/NA	Water	7470A	
570-9011-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 25493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	6010B	25201
570-9221-2	W-40-B5/MW31	Total/NA	Water	6010B	25201
570-9221-3	W-42-MW17	Total/NA	Water	6010B	25201
570-9221-4	W-42-MW22	Total/NA	Water	6010B	25201
570-9221-5	W-41-MW11	Total/NA	Water	6010B	25201
MB 570-25201/1-A	Method Blank	Total/NA	Water	6010B	25201
LCS 570-25201/2-A	Lab Control Sample	Total/NA	Water	6010B	25201
LCSD 570-25201/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	25201
570-9221-5 MS	W-41-MW11	Total/NA	Water	6010B	25201
570-9221-5 MSD	W-41-MW11	Total/NA	Water	6010B	25201

Analysis Batch: 25664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	7470A Low Level	25203
570-9221-2	W-40-B5/MW31	Total/NA	Water	7470A Low Level	25203
570-9221-3	W-42-MW17	Total/NA	Water	7470A Low Level	25203

QC Association Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Metals (Continued)

Analysis Batch: 25664 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-4	W-42-MW22	Total/NA	Water	7470A Low Level	25203
570-9221-5	W-41-MW11	Total/NA	Water	7470A Low Level	25203
MB 570-25203/1-A	Method Blank	Total/NA	Water	7470A Low Level	25203
LCS 570-25203/2-A	Lab Control Sample	Total/NA	Water	7470A Low Level	25203
LCSD 570-25203/3-A	Lab Control Sample Dup	Total/NA	Water	7470A Low Level	25203
570-9011-E-1-B MS	Matrix Spike	Total/NA	Water	7470A Low Level	25203
570-9011-E-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	7470A Low Level	25203

General Chemistry

Analysis Batch: 24454

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	SM 2320B	
570-9221-2	W-40-B5/MW31	Total/NA	Water	SM 2320B	
570-9221-3	W-42-MW17	Total/NA	Water	SM 2320B	
570-9221-4	W-42-MW22	Total/NA	Water	SM 2320B	
570-9221-5	W-41-MW11	Total/NA	Water	SM 2320B	
MB 570-24454/10	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-24454/8	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-24454/9	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-9221-1 DU	W-42-B6/MW32	Total/NA	Water	SM 2320B	

Analysis Batch: 24704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	SM 2540C	
570-9221-2	W-40-B5/MW31	Total/NA	Water	SM 2540C	
570-9221-3	W-42-MW17	Total/NA	Water	SM 2540C	
570-9221-4	W-42-MW22	Total/NA	Water	SM 2540C	
570-9221-5	W-41-MW11	Total/NA	Water	SM 2540C	
MB 570-24704/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-24704/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-24704/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-9142-B-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 25567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-9221-1	W-42-B6/MW32	Total/NA	Water	SM 4500 Cl- C	
570-9221-2	W-40-B5/MW31	Total/NA	Water	SM 4500 Cl- C	
570-9221-3	W-42-MW17	Total/NA	Water	SM 4500 Cl- C	
570-9221-4	W-42-MW22	Total/NA	Water	SM 4500 Cl- C	
570-9221-5	W-41-MW11	Total/NA	Water	SM 4500 Cl- C	
MB 570-25567/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-25567/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-25567/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-9221-5 MS	W-41-MW11	Total/NA	Water	SM 4500 Cl- C	
570-9221-5 MSD	W-41-MW11	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-B6/MW32

Date Collected: 10/03/19 09:55
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	26113	10/16/19 05:40	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1055.2 mL	2 mL	24311	10/07/19 17:19	SP7J	ECL 1
Total/NA	Analysis	8270C SIM		1			24717	10/09/19 21:31	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23710	10/05/19 04:06	J7WE	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	25201	10/10/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			25493	10/11/19 17:11	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7470A			50 mL	100 mL	25203	10/11/19 13:00	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			25664	10/13/19 12:00	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24454	10/07/19 19:12	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	24704	10/09/19 09:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	25567	10/12/19 10:34	KZ4O	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-40-B5/MW31

Date Collected: 10/03/19 12:48
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	26113	10/16/19 06:10	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1055.4 mL	2 mL	24311	10/07/19 17:19	SP7J	ECL 1
Total/NA	Analysis	8270C SIM		1			24717	10/09/19 12:27	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23710	10/05/19 04:27	J7WE	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	25201	10/10/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			25493	10/11/19 17:14	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7470A			50 mL	100 mL	25203	10/11/19 13:00	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			25664	10/13/19 12:02	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24454	10/07/19 19:25	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	24704	10/09/19 09:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	25567	10/12/19 10:34	KZ4O	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW17

Date Collected: 10/03/19 11:51
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	20 mL	20 mL	26113	10/16/19 07:38	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1058.1 mL	2 mL	24311	10/07/19 17:19	SP7J	ECL 1
Total/NA	Analysis	8270C SIM		1			24717	10/09/19 20:13	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	3510C	DL		1058.1 mL	2 mL	24311	10/07/19 17:19	SP7J	ECL 1
Total/NA	Analysis	8270C SIM	DL	10			25043	10/10/19 11:28	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23710	10/05/19 04:47	J7WE	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	25201	10/10/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			25493	10/11/19 17:26	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7470A			50 mL	100 mL	25203	10/11/19 13:00	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			25664	10/13/19 12:05	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24454	10/07/19 19:32	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	24704	10/09/19 09:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	25567	10/12/19 10:34	KZ4O	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-42-MW22

Date Collected: 10/03/19 09:47
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	26113	10/16/19 06:39	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1056.4 mL	2 mL	24311	10/07/19 17:19	SP7J	ECL 1
Total/NA	Analysis	8270C SIM		1			24717	10/09/19 20:32	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23710	10/05/19 05:08	J7WE	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	25201	10/10/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			25493	10/11/19 17:29	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7470A			50 mL	100 mL	25203	10/11/19 13:00	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			25664	10/13/19 12:07	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24454	10/07/19 19:39	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	24704	10/09/19 09:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Client Sample ID: W-42-MW22
Date Collected: 10/03/19 09:47
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	25567	10/12/19 10:34	KZ4O	ECL 1

Client Sample ID: W-41-MW11
Date Collected: 10/03/19 14:00
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	26113	10/16/19 07:09	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1057.4 mL	2 mL	24311	10/07/19 17:19	SP7J	ECL 1
Total/NA	Analysis	8270C SIM		1			24717	10/09/19 20:51	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			23710	10/05/19 05:28	J7WE	ECL 1
	Instrument ID: IC7									
Total/NA	Prep	3010A			50 mL	50 mL	25201	10/10/19 15:00	WL8G	ECL 1
Total/NA	Analysis	6010B		1			25493	10/11/19 17:33	ULPF	ECL 1
	Instrument ID: ICP9									
Total/NA	Prep	7470A			50 mL	100 mL	25203	10/11/19 13:00	WL8G	ECL 1
Total/NA	Analysis	7470A Low Level		1			25664	10/13/19 12:09	I3IN	ECL 1
	Instrument ID: HG8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	24454	10/07/19 19:45	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	24704	10/09/19 09:00	KAP4	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		10	50 mL	50 mL	25567	10/12/19 10:34	KZ4O	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: Trip Blank
Date Collected: 10/03/19 14:00
Date Received: 10/04/19 09:45

Lab Sample ID: 570-9221-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	26113	10/16/19 05:10	UJHB	ECL 2
	Instrument ID: GCMSL									

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494

ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-9221-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience LLC

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0781	03-13-20
California	SCAQMD LAP	17LA0919	11-30-19
California	State	2944	09-29-20
Guam	State	19-004R	10-31-19
Hawaii	State	<cert No.>	07-02-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-20

Method Summary

Client: Cardno, Inc
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-9221-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
300.0	Anions, Ion Chromatography	MCAWW	ECL 1
6010B	Metals (ICP)	SW846	ECL 1
7470A Low Level	Mercury (CVAA) Low Level	SW846	ECL 1
SM 2320B	Alkalinity	SM	ECL 1
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 1
SM 4500 Cl- C	Chloride, Total	SM	ECL 1
3010A	Preparation, Total Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2
7470A	Preparation, Mercury	SW846	ECL 1

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience LLC Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience LLC Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494

9221

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

Site Name	3612
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: 10/3/19
PAGE: 1 OF 1

ExxonMobil Engr: Marla Madden

LABORATORY CLIENT: Cardno
ADDRESS: 20505 Crescent Bay Drive
CITY: Lake Forest, CA 92630
TEL: 949-457-8941 FAX: 949-457-8956 dave.purdy@cardno.com

GLOBAL ID #/ COELT LOG CODE:
PROJECT CONTACT: David Purdy
SAMPLER(S): Shawn Shanks, Clint Calip, Austin Moore

P.O. 4410488459
LAB USE ONLY
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

570-9221 Chain of Custody

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-42-B6/MW32	B6/MW32	10/3/19	09:55	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
2	W-40-B5/MW31	B5/MW31	10/3/19	12:48	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-42-MW17	MW17	10/3/19	11:51	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-42-MW22	MW22	10/3/19	09:47	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-41-MW11	MW11	10/3/19	14:00	W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
6					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
7					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
8					W	11	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
6	Trip Blank		10/3/19	14:00	W	6	X							3 vials with HCL
						AM								

Relinquished by: (Signature) Austin Moore	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature) Priority, EC	Date, & Time: 10/4/19 0945
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

COC\Gladiola Station-NM Site COC 05-16-2017

2.8/3.3 5 Cu
3.0/3.5

Login Sample Receipt Checklist

Client: Cardno, Inc Job Number: 570-9221-1

Login Number: 9221 **List Source: Eurofins Calscience**
List Number: 1
Creator: Soriano, Precy

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	No relinquished date/time listed on COC.
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	2 out of 5 vials received broken
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	False	3 out of 6 vials received empty.
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

WASTE DISPOSAL DOCUMENTATION

ALAMO 1

BILL OF LADING

AR19-01381

GENERATOR

GENERATING NAME AND ADDRESS:	GENERATING LOCATION/ADDRESS:
ExxonMobil Oil Corporation c/o Cardno 20505 Crescent Bay Drive Lake Forest, CA 92630	ExxonMobil Oil Corporation Gladiola Station Miles North of Intersection of Copeland Rd. & Hwy 38 Tatum, NM 88267
GENERATOR'S US EPA ID NO:	STATE GENERATOR'S ID:

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	TYPE
Purge Water	N/A	200	G	4	D	D - DRUM C. CARTON B - BAG T - TRUCK P - POUNDS Y - YARDS O - OTHER

GENERATOR AUTHORIZED AGENT NAME:	SIGNATURE:	SHIPMENT DATE:
David M. Purdy	David M. Purdy	10/8/19

TRANSPORTER

TRUCK NO:	PHONE NO:
5500)	(800) 322-5085
TRANSPORTER NAME: Alamo1	DRIVER NAME (PRINT): Steven Olson
ADDRESS: 2900 Nacogdoches Road San Antonio, TX 78217	VEHICLE LICENSE NO./STATE: B42-5227 TX VEHICLE CERTIFICATION:
US EPA ID NO: TX0000359190	STATE TRANSPORTER'S ID: 85283
I HEREBY CERTIFY THAT THE ABOVE-NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.	I HEREBY CERTIFY THAT THE ABOVE-NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.
DRIVER SIGNATURE: Steven Olson SHIPMENT DATE: 10/9/19	DRIVER SIGNATURE: Steven Olson SHIPMENT DATE: 10/9/19

DESTINATION

SITE NAME:	PHONE NO:
Sundance Services, Inc.	575-408-2606
ADDRESS: 5 Miles East of Eunice, NM on Sundance Rd. (Off Wallah Rd. near Intersection of Hwy 18 & Hwy 234) Eunice, NM	
US EPA ID NO:	STATE FACILITIES ID:

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

NAME OF AUTHORIZED AGENT:	SIGNATURE:	RECEIPT DATE:
		10/9/19

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

General Information
Phone: (505) 629-6116

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

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

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409546
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Second Quarter 2019 through Fourth Quarter 2019 Groundwater Monitoring Report has been accepted for the record. App ID: 409546	12/16/2024