July 29, 2020
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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 **First and Second Quarter 2020 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 Pipeline Company, Cardno is submitting the *First and Second Quarter 2020 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 805.701.1420 if you have questions.

Sincerely,

James Anderson

James Anderson
Senior Program Manager
for Cardno
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Email: james.anderson@cardno.com

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

First and Second Quarter 2020 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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1 Introduction

At the request of ExxonMobil Environmental and Property Solutions, on behalf ExxonMobil Pipeline 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 bailing NAPL from the site wells with NAPL.

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. The site is currently a vacant lot that contains a pipeline with a cathodic protection system 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 analysed 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, 2019a).

October 1, 2019. Cardno conducted a groundwater monitoring and sampling event at the site (Cardno, 2019b).

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 June 23, 2020, monitoring wells MW-1 through MW-32 were gauged with the exception of well MW-8. Monitoring well MW-8 was not located and is presumed to have been destroyed in 2013. Well MW-2, which historically had been damaged when the monument well box was struck and bent over by an unknown party, was accessed by removing the damaged well box. The well was found to be filled with silt to 37.75 feet bgs.

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 June 24 and 25, 2020, 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 analysed 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 Standard Method 2320B, and TDS by Standard Method 2540C.

6.3 NAPL Bailing

On June 25, 2020, NAPL was bailed from the site wells with NAPL, as detailed in the following table.

NAPL Bailed from Site Wells

Well	Approximate NAPL Removed (millilters)	Approximate Water Removed (millitlers)
MW1	950	6,625
MW5	500	1,800
MW9	300	1,500
MW12	2,840	7,570
MW13	6,625	7,570
MW14	3,750	5,000
MW15	700	5,000
MW16	1,000	5,000
MW18	950	6,625
MW20	5,500	3,500
MW21	3,000	5,000
MW23	15	250
MW24	7,000	7,000
MW25	3,785	1,895
MW26	4,730	4,730
Total	**41,645**	**69,065**

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. Disposal documentation is included in Appendix C.

7 Results

Measurable NAPL was encountered in 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 0.07 foot (MW-23) to 2.55 feet (MW-24). NAPL was not observed in newly-installed wells MW-27 through MW-32.

Measured groundwater levels in the wells ranged from 36.16 feet below TOC (well MW-3) to 41.89 feet below TOC (MW-25). 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:

- **MW-17:** Benzene, ethylbenzene, and total naphthalene.
- **MW-27:** Chloride.
- **MW-28:** Total dissolved solids.

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

8 Conclusions

The groundwater flow direction was towards the northeast, consistent with historical results.

NAPL measurements decreased or remained stable with the exception of wells MW-24 through MW-26, where NAPL thicknesses increased. The lateral assessment of NAPL in groundwater appears to be delineated with the exception of to the north of well MW-26 and to the south of well MW-16. No NAPL or sheen was observed in newly-installed wells MW-27 through MW-32.

Concentrations in the wells were consistent with historical results.

9 Recommendations

Cardno recommends the following:

- Havinging a meeting with Centurion Pipeline to discuss a remediation plan for the removal and lateral control of NAPL in groundwater.
- Redeveloping well MW-2, which was filled with silt.
- Continuing semi-annual groundwater monitoring at the site.

10 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. James Anderson, Cardno, 4572 Telephone Road #916, Ventura, California, 93003.

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

11 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.

12 References

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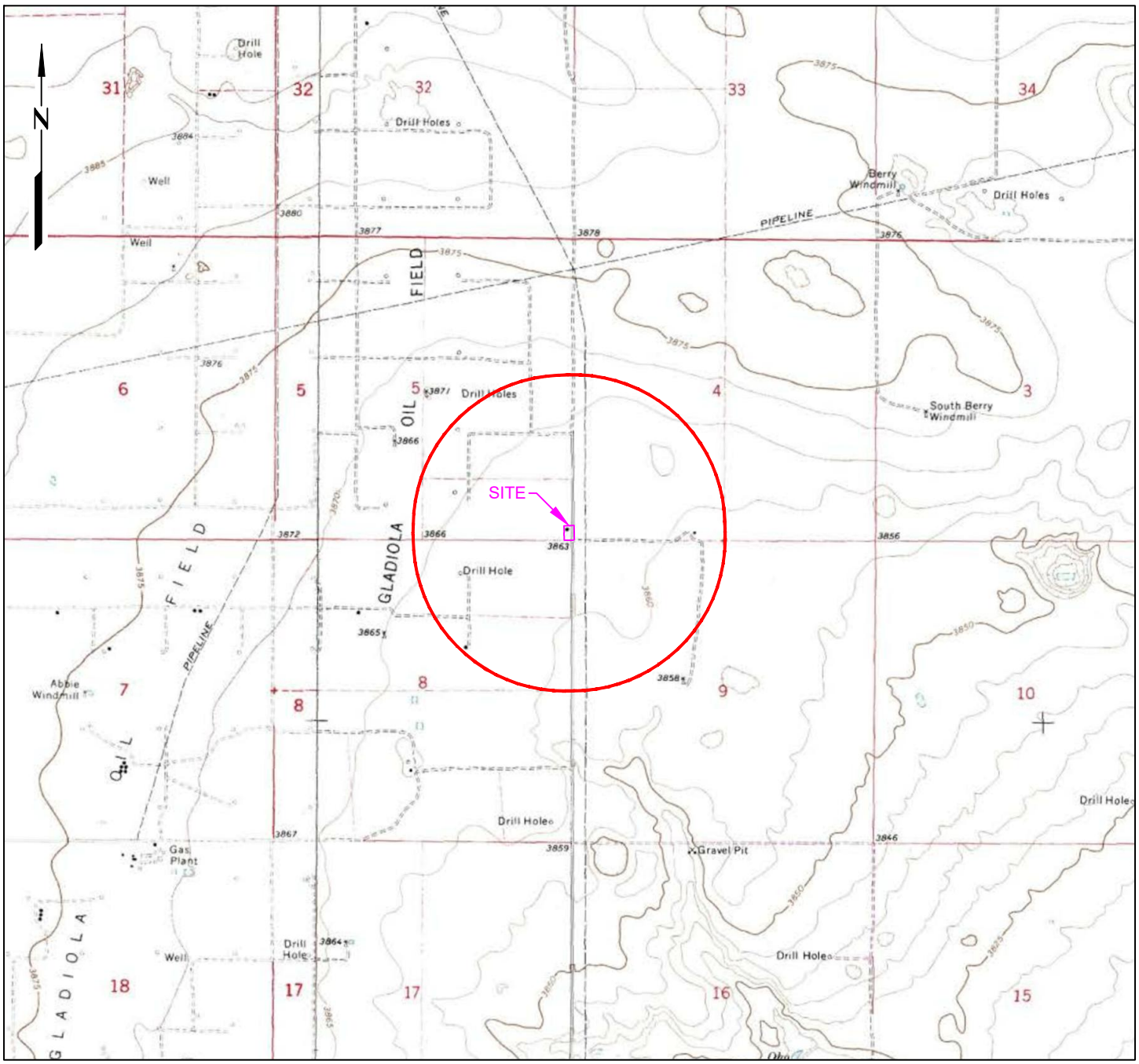
13 Acronym List

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

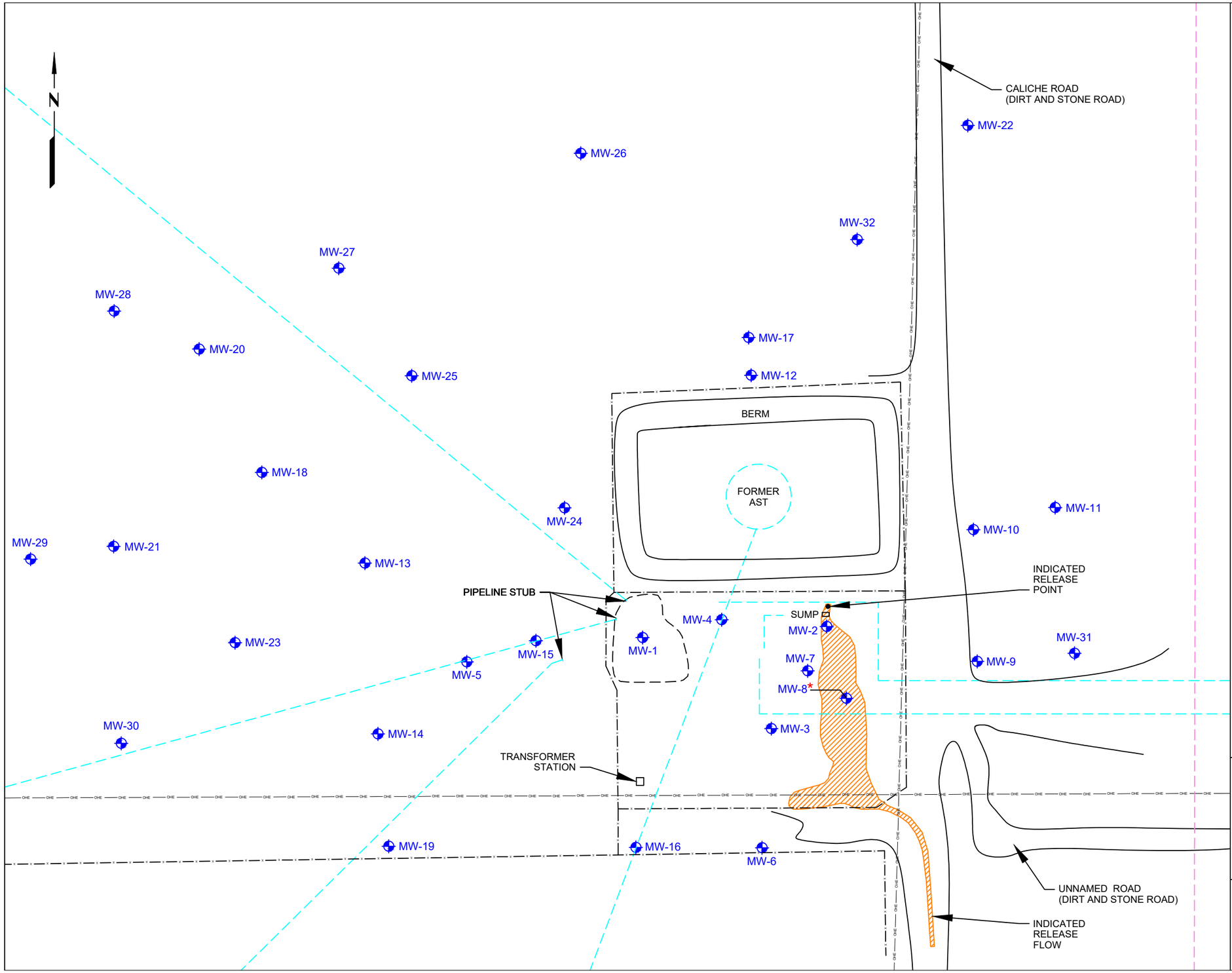
SOURCE: Modified from a map provided by MapPass

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

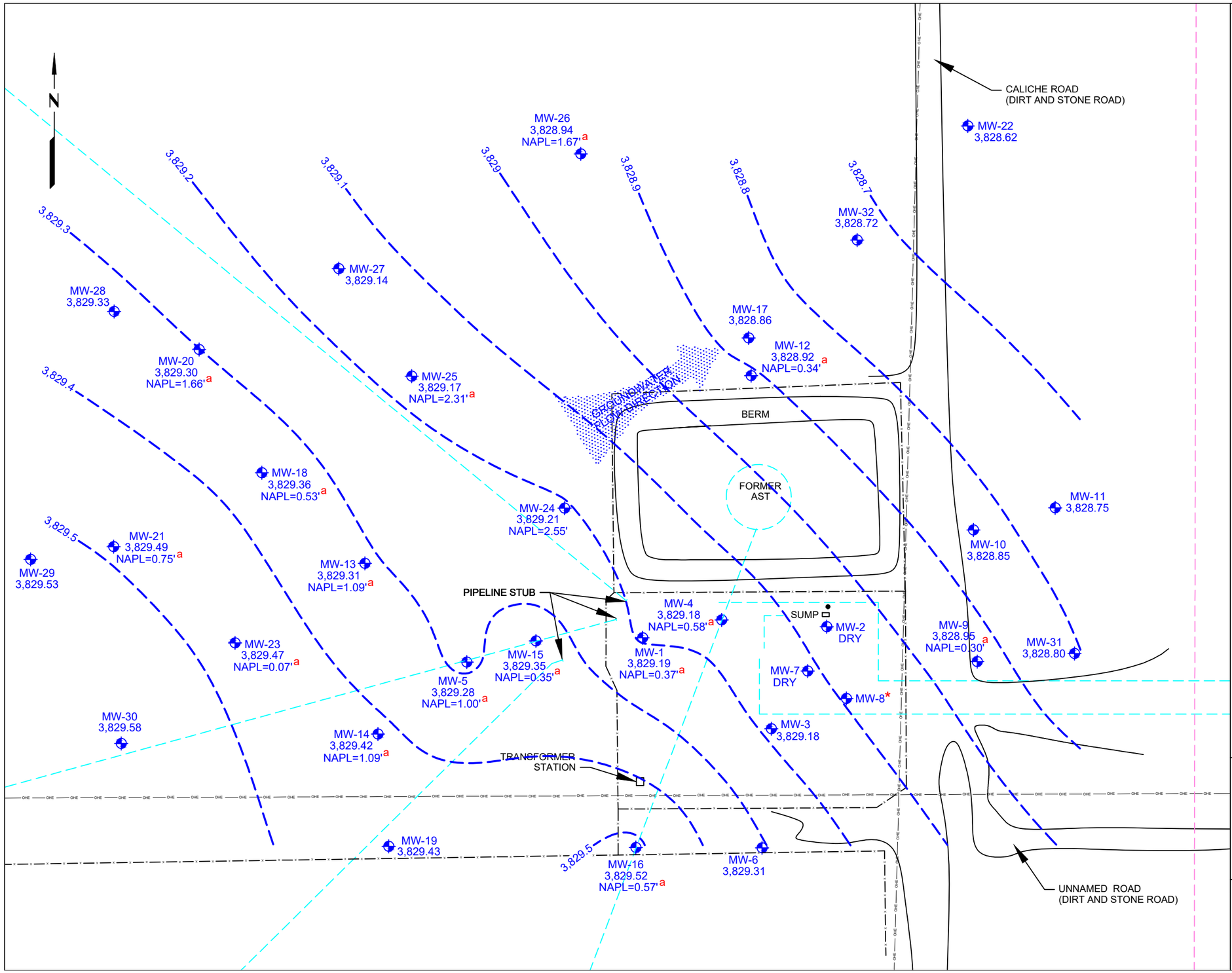
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 2

DATE: 07/29/20



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=2.55'	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 06/23/20

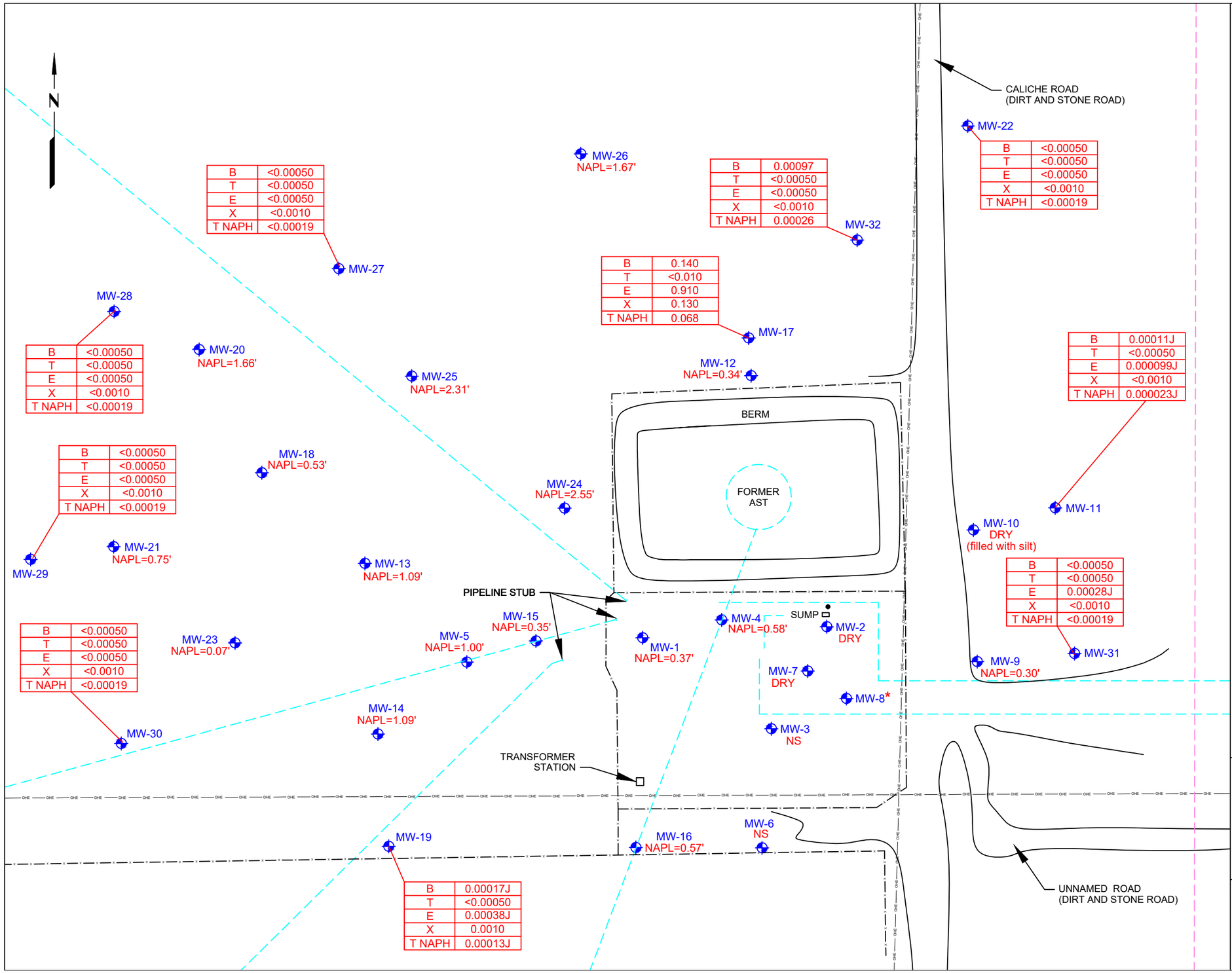
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 3

DATE: 07/29/20



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=2.55'	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 06/23-25/20

GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 4

DATE: 07/29/20

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**					
06/23/20	3866.77	37.89	3,829.19	0.37				
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**					
06/23/20	3869.40	Dry		No	Well filled with silt up to the groundwater level.			
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**					
06/23/20	3865.34	36.16	3,829.18	No	Insufficient water to sample.			
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**					
06/23/20	3866.32	37.62	3,829.18	0.58				
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**					
06/23/20	3868.65	40.20	3,829.28	1.00				
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**					
06/23/20	3868.66	39.35	3,829.31	No	Insufficient water to sample.			
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**					
06/23/20	3865.76	Dry		No				
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**					
06/23/20	3869.90	41.20	3,828.95	0.30				
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**					
06/23/20	3870.47	41.62	3,828.85	No	Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**					
06/23/20	3869.68	40.93	3,828.75	No				
06/25/20	3869.68			No	0.00011 J	<0.00050	0.000099 J	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**					
06/23/20	3869.40	40.76	3,828.92	0.34				
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**					
06/23/20	3868.76	40.35	3,829.31	1.09				
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**					
06/23/20	3868.62	40.10	3,829.42	1.09				
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**					
06/23/20	3868.86	39.80	3,829.35	0.35				
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**					
06/23/20	3868.68	39.63	3,829.52	0.57				
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**					
06/23/20	3869.27	40.41	3,828.86	No				
06/25/20	3869.27			No	**0.140**	<0.010	**0.910**	0.130

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-18	**Well Screen Interval (feet):**	**27.00-42.00**						
06/23/20	3868.94	40.02	3,829.36	0.53				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
06/23/20	3868.90	39.47	3,829.43	No				
06/24/20	3868.90			No	0.00017 J	<0.00050	0.00038 J	0.0010
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
06/23/20	3869.15	41.23	3,829.30	1.66				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
06/23/20	3869.07	40.20	3,829.49	0.75				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
06/23/20	3869.86	41.24	3,828.62	No				
06/25/20	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
06/23/20	3869.22	39.81	3,829.47	0.07				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
06/23/20	3868.04	40.95	3,829.21	2.55				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
06/23/20	3869.14	41.89	3,829.17	2.31				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
06/23/20	3869.15	41.60	3,828.94	1.67				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
06/23/20	3869.12	39.98	3,829.14	No				
06/24/20	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
06/23/20	3869.32	39.99	3,829.33	No				
06/24/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
06/23/20	3869.36	39.83	3,829.53	No				
06/24/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
06/23/20	3869.10	39.52	3,829.58	No				
06/24/20	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
06/23/20	3869.05	40.25	3,828.80	No				
06/25/20	3869.05			No	<0.00050	<0.00050	0.00028 J	<0.0010

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-32	**Well Screen Interval (feet):**	**35.00-50.00**						
06/23/20	3870.35	41.63	3,828.72	No				
06/24/20	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010

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**										
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	0.00012 J	0.00010 J	0.00023	0.00011 J	<0.00019	0.00021	<0.00019	<0.00019	0.00022
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**										
06/25/20	0.00021	0.00012 J	0.000036 J	0.000085 J	0.000088 J	0.00010 J	0.00015 J	0.00011 J	0.000088 J	0.00015 J	<0.00019	0.0014	0.00014 J
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**										
06/24/20	0.000019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**										
06/25/20	<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**										
06/24/20	<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**										
06/24/20	<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**										
06/24/20	<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**										
06/24/20	<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**										
06/25/20	<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-32	**Well Screen Interval (feet):**		**35.00-50.00**										
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00063	<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**					
06/25/20	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	0.000023
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**					
06/25/20	0.00083	0.000026 J B	0.068	0.033	0.035	**0.136**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
06/24/20	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**					
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**					
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**					
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**					
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**					
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**					
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**					
06/24/20	0.000015 J	<0.00019	0.00026	0.00013 J	0.000019 J	0.000409

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**									
06/25/20	<0.100	0.0373	<0.0100	<0.0500	0.0172 J	<0.000500	<0.100	<0.0100	110	100	455	835
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
06/25/20	<0.100	**9.45**	<0.0100	<0.0500	0.0148 J	<0.000500	<0.100	<0.0100	2.62	<10	859	855
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
06/24/20	0.0299 J	0.0520	<0.0100	<0.0500	0.0152 J	<0.000500	<0.100	<0.0100	43.9	110	306	595
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
06/25/20	<0.100	0.0204	<0.0100	<0.0500	0.0162 J	<0.000500	<0.100	<0.0100	28.8	160	266	580
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	**286**	120	168	955
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
06/24/20	<0.100	0.0561	<0.0100	<0.0500	0.0285 J	<0.000500	0.0278 J	<0.0100	202	400	151	**1180**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
06/24/20	<0.100	0.0496	<0.0100	<0.0500	0.0196 J	<0.000500	<0.100	<0.0100	189	100	175	730
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
06/24/20	<0.100	0.0474	<0.0100	<0.0500	0.0228 J	<0.000500	<0.100	<0.0100	197	91	165	800
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
06/25/20	<0.100	0.135	<0.0100	<0.0500	0.0206 J	<0.000500	<0.100	<0.0100	81.1	110	325	740
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
06/24/20	<0.100	0.163	<0.0100	<0.0500	0.0198 J	<0.000500	<0.100	<0.0100	33.8	37	466	620

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

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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 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				
06/23/20	3866.77	37.89	3,829.19	0.37				
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 - 10/01/19	3869.40				Inaccessible - Stick-up well casing damaged.			
06/23/20	3869.40	Dry		No	Well filled with silt up to the groundwater level.			

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**						
05/17/04	3863.72	32.79	3830.93	No				
11/30/04	3863.72	30.08	3834.01	0.44				
05/05/05	3863.72	28.90	3835.02	0.24				
07/24/06	3863.72	28.87	3835.06	0.25	**0.0452**	0.00715	0.0974	0.015
02/08/07	3863.72	28.79	3835.02	0.11	**0.586**	0.00522	0.114	0.360
04/15/08	3863.72	29.42	3834.48	0.22				
09/22/08	3863.72			No				
09/26/08	3863.72	29.99	3833.90	0.20	**1.55**	<0.00100	0.133	0.310
02/15/09	3863.72	29.90	3833.94	0.15				
05/19/09	3863.72	30.82	3833.14	0.29	**1.2**	<0.00100	0.116	0.206
08/19/09	3863.72	31.15	3832.86	0.35	**2.05**	<0.00100	0.174	0.317
10/30/09	3863.72	31.16	3832.83	0.33	**1.96**	<0.00100	0.166	0.320
10/12/11	3863.72	33.10	3830.94	0.38				
02/22/12	3863.72	33.30	3830.58	0.19				
07/17/12	3865.25	33.80	3831.71	0.31				
10/03/12	3865.25	33.94	3831.51	0.24				
05/14/13	3865.25	34.31	3831.04	0.12				
01/27/14	3865.25	35.04	3830.47	0.31				
06/17/14	3865.25	35.33	3830.13	0.25				
11/18/14	3865.25	35.34	3830.02	0.13				
12/07/15	3865.25	35.39	3829.93	0.09				
04/26/16	3865.25	35.69	3829.71	0.18				
10/24/16	3865.25	35.42	3829.93	0.12				
05/22/17	3865.25	35.80	3829.52	0.09				
11/28/17	3865.25	35.70	3829.57	0.02	Insufficient water to sample.			
07/17/18	3865.34	35.80	3829.54	No				
03/04/19	3865.34	36.13	3,829.21	Sheen				
10/01/19	3865.34	36.11	3,829.23	Sheen				
06/23/20	3865.34	36.16	3,829.18	No	Insufficient water to sample.			
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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
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				
06/23/20	3866.32	37.62	3,829.18	0.58				
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				
06/23/20	3868.65	40.20	3,829.28	1.00				
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

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**							
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				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	No	Insufficient water to sample.			
06/23/20	3868.66	39.35	3,829.31	No	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				
06/23/20	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

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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-8	**Well Screen Interval (feet):**	**23.05-38.05**						
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.			
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				
06/23/20	3869.90	41.20	3,828.95	0.30				
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

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**							
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3870.38	41.29	3829.09	No				
11/29/17	3870.38			No	0.00051	<0.00050	<0.00050	<0.00050
07/17/18	3870.47	41.27	3829.20	No				
07/20/18	3870.47	41.30	3829.17	No	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3,828.89	No	0.00073	<0.00050	<0.00050	<0.00050
10/01/19	3870.47	41.58	3,828.89	No	Insufficient water to sample.			
06/23/20	3870.47	41.62	3,828.85	No	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
06/23/20	3869.68	40.93	3,828.75	No				
06/25/20	3869.68			No	0.00011 J	<0.00050	0.000099 J	<0.0010

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**						
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598
09/21/08	3867.74			No				
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				
11/17/14	3869.27	40.50	3829.54	0.93				
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
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				
06/23/20	3869.40	40.76	3,828.92	0.34				
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				
06/23/20	3868.76	40.35	3,829.31	1.09				
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

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**						
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				
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				
06/23/20	3868.62	40.10	3,829.42	1.09				
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				
06/23/20	3868.86	39.80	3,829.35	0.35				
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				

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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**						
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				
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				
06/23/20	3868.68	39.63	3,829.52	0.57				
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
06/23/20	3869.27	40.41	3,828.86	No				
06/25/20	3869.27			No	**0.140**	<0.010	**0.910**	0.130
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**

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-18	**Well Screen Interval (feet):**	**27.00-42.00**						
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				
06/23/20	3868.94	40.02	3,829.36	0.53				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
08/19/09	3867.26	34.22	3833.04	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.26	34.40	3832.86	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.26	36.08	3831.18	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.26	37.14	3830.12	No	0.00188	<0.00100	0.192	0.329
07/17/12	3868.75	36.81	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	No				
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	No				
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
06/23/20	3868.90	39.47	3,829.43	No				
06/24/20	3868.90			No	0.00017 J	<0.00050	0.00038 J	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

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-20	**Well Screen Interval (feet):**	**29.50-44.50**						
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				
06/23/20	3869.15	41.23	3,829.30	1.66				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	No				
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300
05/22/17	3868.89	39.26	3829.73	0.12				
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				
06/23/20	3869.07	40.20	3,829.49	0.75				
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				

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-22	**Well Screen Interval (feet):**	**30.00-45.00**						
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
06/23/20	3869.86	41.24	3,828.62	No				
06/25/20	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				
06/23/20	3869.22	39.81	3,829.47	0.07				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
02/22/12	3866.60	35.74	3830.89	0.04				
07/17/12	3867.88	39.70	3831.62	4.15				
10/03/12	3867.88	40.09	3831.40	4.35				
05/14/13	3867.88	38.05	3831.35	1.83				
01/28/14	3867.88	41.92	3830.28	5.21				
06/17/14	3867.88	43.09	3830.04	6.33				
11/18/14	3867.88	43.30	3829.98	6.50				
12/07/15	3867.88	42.51	3829.94	5.50				
04/27/16	3867.88	41.39	3829.54	3.68				
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	1.80				
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				
06/23/20	3868.04	40.95	3,829.21	2.55				
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				

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-25	**Well Screen Interval (feet):**	**28.00-43.00**						
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				
06/23/20	3869.14	41.89	3,829.17	2.31				
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				
06/23/20	3869.15	41.60	3,828.94	1.67				
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
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
06/23/20	3869.12	39.98	3,829.14	No				
06/24/20	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
06/23/20	3869.32	39.99	3,829.33	No				
06/24/20	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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.36	39.83	3,829.53	No				
06/24/20	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
06/23/20	3869.10	39.52	3,829.58	No				
06/24/20	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
06/23/20	3869.05	40.25	3,828.80	No				
06/25/20	3869.05			No	<0.00050	<0.00050	0.00028 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
06/23/20	3870.35	41.63	3,828.72	No				
06/24/20	3870.35			No	0.00097	<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
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11				No	**0.135**	0.00135	0.0263	0.0759

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**												
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00015 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00022	<0.00019
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
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
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	0.00012 J	0.00010 J	0.00023	0.00011 J	<0.00019	0.00021	<0.00019	<0.00019	0.00022
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

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**												
09/26/08	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980
05/19/09	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476
08/19/09	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	0.000578	0.000915 R1	<0.000144	0.00515	<0.000205	0.0118 R1	0.00424	<0.000205
10/30/09	<0.000971	<0.00485	<0.000971	0.00309 R1	<0.0000971	0.000598 R1	0.00123 R1	<0.000136	0.00642	0.00300 R1	0.0247 R1	0.00331	<0.000194
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**												
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	0.000797	<0.000194
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	0.000172	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00165 R1	0.00123	<0.000200
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
06/25/20	0.00021	0.00012 J	0.000036 J	0.000085 J	0.000088 J	0.00010 J	0.00015 J	0.00011 J	0.000088 J	0.00015 J	<0.00019	0.0014	0.00014 J

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**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**												
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952
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-19	**Well Screen Interval (feet): 27.00-42.00**												
06/24/20	0.000019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**												
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**												
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189
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

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**												
06/18/14	<0.0000190	<0.0000284	<0.0000284	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000190	<0.0000284	<0.0000190	<0.0000190
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**												
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000194	<0.0000291	<0.0000291	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000291	<0.0000194	<0.0000191
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**												
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
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**												
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192
05/15/13	<0.000019	<0.0000381	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000286	<0.000019	<0.000019	<0.000019	<0.0000381	<0.000019	<0.000019
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

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**												
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188
06/18/14	<0.0000189	<0.0000283	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
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
06/24/20	<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
06/24/20	<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-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
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**												
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
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
06/24/20	<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
06/25/20	<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-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
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00063	<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 SB-1GW	**Grab Groundwater Sample**												
10/28/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962
Field Point SB-2GW	**Grab Groundwater Sample**												
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.00034	<0.0000971
Field Point SB-3GW	**Grab Groundwater Sample**												
10/28/11	0.0005	0.000167	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00165	<0.000098
Field Point SB-4GW	**Grab Groundwater Sample**												
10/28/11	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000216	<0.000098
Field Point SB-5GW	**Grab Groundwater Sample**												
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098
Field Point SB-6GW	**Grab Groundwater Sample**												
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
Field Point SB-7GW	**Grab Groundwater Sample**												
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971

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

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

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

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

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

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

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

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

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

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**					
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**					
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
10/30/09	<0.000495	<0.000198	<0.00099 (c)	<0.00099	<0.00099	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
05/15/13	<0.0000561	<0.0000561	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
01/28/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000287	<0.0000191	0.000425	<0.0000191	<0.0000287	0.000425
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	0.00033	<0.00019	0.00022	0.0010	0.0013	0.00252
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
10/03/19	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
06/25/20	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	0.000023
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**

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**					
09/26/08	<0.00943	<0.00943	0.0909	0.0512	0.0613	**0.2034**
05/19/09	<0.00952	<0.00952	0.0726	0.0434	0.0534	**0.1694**
08/19/09	<0.000500	<0.000200	0.12 (c)	0.159 R1	0.0808	**0.3598 R1**
10/30/09	0.0111 R1	0.00257 R1	0.0236 (c)	0.0283 R1	0.0708	**0.123 R1**
10/13/11	0.00165	<0.000099	0.0879	0.0406	0.063	**0.1915**
02/22/12	0.000991	<0.0000943	0.0659	0.0244	0.0396	**0.1299**
07/17/12	<0.002	<0.002	0.0653	0.0357	0.0394	**0.1404**
10/03/12	<0.00189	<0.00189	0.129	0.0464	0.0602	**0.2356**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**					
04/30/08	<0.00971	<0.00971	0.0366	0.0279	0.0329	**0.0974**
09/26/08	<0.0980	<0.0980	0.0986	<0.00980	<0.00980	**0.0986**
05/19/09	<0.0476	<0.0476	0.121	0.0712	0.0888	**0.281**
08/19/09	0.0458 R1	0.0277 R1	0.120 (c)	0.291 R1	0.147	**0.558 R1**
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**

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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**					
09/26/08	<0.00980	<0.00980	0.0902	0.0636	0.0825	**0.2363**
05/19/09	<0.0105	<0.0105	0.0658	0.0380	0.0484	**0.1522**
08/19/09	0.0196 R1	0.00753 R1	0.1690 (c)	0.202 R1	0.118	**0.489 R1**
10/30/09	0.0282 R1	0.0435 R1	0.0274 (c)	0.0407 R1	0.0225	**0.0906 R1**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**					
04/30/08	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0309
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.000513	0.000979 R1	0.00429 R1 (c)	0.00603 R10	0.0127 R1	0.02302 R10, R1
10/13/11	0.000343	<0.0000952	0.00154	0.00158	0.00124	0.00436
02/22/12	0.000292	<0.0000943	0.00122	0.00113	0.00090	0.003245
07/17/12	<0.00190	<0.00190	<0.00500	0.00229	<0.00190	0.00229
10/03/12	<0.00189	<0.00189	0.00855	0.00429	<0.00189	0.01284
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**
06/25/20	0.00083	0.000026 J B	0.068	0.033	0.035	**0.136**
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**

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-18	**Well Screen Interval (feet): 27.00-42.00**					
10/30/09	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**					
08/19/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.00003	<0.00002	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<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
06/24/20	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
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

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

Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**					
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**					
08/19/09	<0.000490	<0.000196	<0.000980 (c)	0.00156	<0.000980	0.00156
10/30/09	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.00009
07/17/12	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000284	<0.0000190	0.000155 B	<0.000019	<0.0000284	0.000155 B
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<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

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**					
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
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
06/25/20	<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

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
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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**					
05/15/13	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000282	<0.0000188	0.0000818 J	0.000048 J	<0.0000282	0.0001298
06/18/14	<0.0000283	<0.0000189	0.000394 B	<0.0000189	<0.0000283	0.000391 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	0.000370	0.000130	0.0000991	0.0005991
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	0.00020	0.00018 J	0.00015 J	0.00053
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
06/24/20	<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
06/24/20	<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
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
Gladiola Station
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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-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
06/24/20	<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
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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
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
06/24/20	0.000015 J	<0.00019	0.00026	0.00013 J	0.000019 J	0.000409
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**

TABLE 5
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR PAHs
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Date	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point SB-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

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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

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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-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
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Gladiola Station
Lea County, New Mexico
Cardno 3612

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

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

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
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
06/25/20	<0.100	0.0373	<0.0100	<0.0500	0.0172 J	<0.000500	<0.100	<0.0100	110	100	455	835
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

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-14	**Well Screen Interval (feet):**		**27.00-42.00**									
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	0.0259	**2.16**	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
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
06/25/20	<0.100	**9.45**	<0.0100	<0.0500	0.0148 J	<0.000500	<0.100	<0.0100	2.62	<10	859	855

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-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
06/24/20	0.0299 J	0.0520	<0.0100	<0.0500	0.0152 J	<0.000500	<0.100	<0.0100	43.9	110	306	595
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**

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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-20	**Well Screen Interval (feet):**		**29.50-44.50**									
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0248	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**
10/30/09	0.0245	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	0.0311	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
07/17/12	0.0349	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	0.0435	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	0.0251	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	0.0355	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	0.0307	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	0.0310	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860
12/08/15	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
04/27/16	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/30/09	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	0.018	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
07/17/12	0.0353	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
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

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

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
06/25/20	<0.100	0.0204	<0.0100	<0.0500	0.0162 J	<0.000500	<0.100	<0.0100	28.8	160	266	580
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

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-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
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	**286**	120	168	955
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
06/24/20	<0.100	0.0561	<0.0100	<0.0500	0.0285 J	<0.000500	0.0278 J	<0.0100	202	400	151	**1180**
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
06/24/20	<0.100	0.0496	<0.0100	<0.0500	0.0196 J	<0.000500	<0.100	<0.0100	189	100	175	730
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
06/24/20	<0.100	0.0474	<0.0100	<0.0500	0.0228 J	<0.000500	<0.100	<0.0100	197	91	165	800
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
06/25/20	<0.100	0.135	<0.0100	<0.0500	0.0206 J	<0.000500	<0.100	<0.0100	81.1	110	325	740
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
06/24/20	<0.100	0.163	<0.0100	<0.0500	0.0198 J	<0.000500	<0.100	<0.0100	33.8	37	466	620

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-1GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0808	<0.00100	<0.00500	0.0053	<0.000200	<0.0100	<0.00500	9.4	77.8		
Field Point SB-2GW	**Grab Groundwater Sample**											
10/28/11	0.0139	0.134	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	156	307		
Field Point SB-3GW	**Grab Groundwater Sample**											
10/28/11	0.0338	**7.8**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.84	2.3		
Field Point SB-4GW	**Grab Groundwater Sample**											
10/28/11	0.0296	**3.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.9	2.8		
Field Point SB-5GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.0971	<0.00100	<0.00500	<0.00500	<0.000200	0.0105	<0.00500	180	421		
Field Point SB-6GW	**Grab Groundwater Sample**											
10/28/11	0.0116	0.0343	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.04	290		
Field Point SB-7GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.58	38.6		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (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**	**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		
06/25/20					0.00014 J						0.00021 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	
06/25/20			0.031 J B		0.066	0.098	0.0052 J	0.069	0.0015 J	0.0088 J		0.110	0.012	
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		
06/24/20					0.00050		0.00031 J	0.00028 J	0.00024 J	0.0011	0.00055	0.0016	0.00047 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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (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**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-22														
05/24/17														
11/29/17	0.0068 J													
07/18/18														
03/06/19														
10/03/19														
06/25/20														
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														
06/24/20														
Field Point MW-28														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
Field Point MW-29														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
Field Point MW-30														
07/19/18														
03/05/19														
10/02/19														

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)	Chloroform (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**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-30														
06/24/20														
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	
06/25/20					0.00014 J			0.000090 J	0.000080 J	0.00029 J		0.00074	0.00012 J	
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	
06/24/20					0.00059				0.00049 J	0.0019	0.0014	0.00021 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): Clint Calvert / Mark Luck	Project Number: 013612
Gauging Instrument: Geo Sub Probe	Date(s): 6-23-20

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW 19	6-23-20	0830	44.70	39.47			
BH/MW 30		0835	53.83	39.52			
MW 29		0842	53.90	39.83			
MW 28		0855	52.80	39.99			
MW 27		0900	54.01	39.98			
MW 32		0906	53.98	41.63			
MW 17		0911	48.25	40.41			
MW 22		0920	47.70	41.24			
MW 11		0930	48.02	40.93			
MW 10		0934	42.80	41.62			2" well Insufficient Water
MW 31		0940	50.40	40.25			
MW 6		1000	41.98	39.35			2" well Insufficient Water
MW 4		1010	—	37.62	37.04	0.58	
MW 3		1030	44.80	36.16			2" well Insufficient Water
MW 1		1040	—	37.89	37.52	0.37	
MW 16		1050	—	39.63	39.06	0.57	
MW 7		1100	36.20	—	—	—	Dry
MW 14		1145	—	40.10	39.01	1.09	
MW 15		1153	—	39.80	39.45	0.35	
MW 5		1200	—	40.20	39.20	1.0	
MW 24		1206	—	40.95	38.40	2.55	
MW 23		1210	—	39.81	39.74	0.07	
MW 21		1215	—	40.20	39.45	0.75	
MW 20		1219	—	41.23	39.57	1.66	
MW 13		1224	—	40.35	39.26	1.09	

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Clint Calp Jr / Mark Luck	Project Number: 013612
Gauging Instrument: Geo Sub Prob	Date(s): 6-23-20

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW 18	6-23-20	1228	—	40.02	39.49	0.53	
MW 25		1233	—	41.89	39.58	2.31	
MW 26		1233	—	41.60	39.93	1.67	
MW 12		1243	—	40.76	40.42	0.34	
MW 9		1248	—	41.20	40.90	0.3	
MW 2		1315	37.75				DRY

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: ML			
DATE: 6-24-20			
Weather: SUNNY 80°			
WELL ID: MW 19			

Comments: W-4340-MW19 Final Dept

W-MW-19

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
8:15	39.35		700	19.4	1035	6.96	0.94	-163.4	4.97
8:40			650	20.4	1075	6.89	2.16	-115.7	3.68
8:50			750	19.5	1017	6.82	2.13	-138.2	2.96
9:00	43.20		675	19.9	1007	6.87	1.83	-7.3	3.86
9:05			700	19.6	1005	6.87	1.90	-94.2	3.46
9:10			700	19.6	789	6.90	2.31	-85.3	3.12
9:15	~~43.70~~ 43.40		700	19	998	6.89	2.40	-80	3.20

32

3 gal. / 3.5

9.5

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

				WELL INFORMATION		SAMPLE COLLECTION	
DTW final:			Conversion	TD:	44.70	43.40	DTW final:
DTW initial:			0.163	DTW$_i$:	39.47	9:15	~~6.43~~
			0.652	h:	5.23		TIME:
Drawdown:			1.457	csg vol:	3.42	9:15	

COMMENTS

Well Went Dry several Times Lowered to bottom stayed Purging

650

325

750 Max

3.5 Backed 1

3.5 " 2

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: ML			
DATE: 6/24/20			
Weather: Sunny Windy 85°			
WELL ID: BI MW 27			

Comments: N-40.12-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
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
speed 34									
12:50	40.20		700	19.9	1606	6.74	4.55	218.6	39.70
12:55	40.10		750	19.9	1583	6.77	4.78	208.1	19.00
13:05	40.15		750	20.0	1553	6.83	5.07	186.2	10.96
13:15	40.10		750	20.0	1556	6.85	5.23	170.4	7.17
13:25	40.12		750	19.8	1547	6.90	5.39	158.1	5.93
13:35	40.12		750	19.7	1545	6.92	5.47	147.0	12.93
13:45	40.12		750	20.0	1539	6.91	5.50	148.3	14.54
13:55	40.12		750	19.7	1543	6.91	5.50	149.8	15.07
14:05	40.12		11	19.8	1539	6.91	5.53	150.4	8.30
14:15	40.12		750	19.8	1545	6.94	5.52	142.6	10.41
14:25	40.12		750	19.8	1544	6.91	5.55	147.2	12.24
14:35	40.12		750	19.7	1542	6.91	5.54	149.8	7.80

10 gallons
15 gal
20 gal
27

Depth to Pump Intake	52	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	27	Gallons	Liters	27 GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	54.01	DTW final :
DTW initial:			0.163	DTW$_i$:	39.98	
			0.652	h:	14.03	TIME:
Drawdown:			1.457	csg vol:	9.16	14:35

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: CCT			
DATE: 6-24-20			
Weather: Sunny			
WELL ID: B2/MW28			

Comments: wd - 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
		52.80		1 deg	3%	0.1	0.3	10% or 5	10% or 5
1120	40.63		675	19.5	1.78	7.23	6.62	252.2	4.55
1130				19.5	1.78	7.16	6.55	222.5	4.13
1140				19.4	1.78	7.12	6.51	205.4	3.58
1150				19.5	1.78	7.11	6.50	206.1	3.68
1200				19.5	1.78	7.09	6.52	186.8	4.23
1210				19.7	1.78	7.08	6.34	171.5	4.32
1220				19.6	1.78	7.07	6.44	153.3	4.53
1230				19.7	1.78	7.06	6.36	145.6	3.52
1240				19.7	1.79	7.06	6.44	142.9	3.10

Depth to Pump Intake	50	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	24	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	52.80	DTW final:
DTW initial:			0.163	DTW$_i$:	39.99	39.68
			0.652	h:	12.81	TIME:
Drawdown:			1.457	csg vol:	8.63	1245

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: ML			
DATE: 6/24/20			
Weather: Sunny 85°			
WELL ID: B3 / MW29			

Comments: W-3999-MW29

Spl

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO (2)	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
10:10	39.95		650	19.5	1153	6.93	6.35	-11.5	58.0
10:20	39.95		650	19.6	1197	7.0	6.22	152	44.0
10:30	39.98		650	19.8	1212	7.0	6.70	146.6	35.3
10:40	39.95		650	19.8	1219	7.03	6.60	131	46.7
10:50	39.95		650	19.8	1221	7.0	6.62	138.7	64.1
11:00	39.94		11	19.9	1220	7.01	6.70	138	39.13
11:10	39.95		11	19.8	1223	7.01	6.67	139.2	29.65
11:20	39.94		11	19.8	1238	7.03	6.67	136.5	15.63
11:30	39.93		11	19.8	1246	6.91	6.34	151	7.58
11:40	39.99		11	19.6	1230	6.94	6.51	155.4	6.57
11:50	39.99		11	19.5	1224	6.95	6.66	155.5	9.92
12:00	39.96		11	19.6	1225	6.97	6.71	147.6	7.43
12:10	39.99		11	19.6	1225	6.97	6.72	152.3	8.94
12:13	39.94		11	19.6	1225	6.97	6.71	132.9	7.35

speed 34

3.5 gal

3.5 gal

2 gal

3.5 gal/min

10.5 + 3.5

141

* 4.0 1445

4.0 4.5 18.5

22.5

4.0 + .5

27

** 450

Depth to Pump Intake	52 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	27 Gallons	Liters	GALLONS 27

				WELL INFORMATION		SAMPLE COLLECTION	
DTW final:			Conversion	TD:	53.90	39.99	DTW final :
DTW initial:			0.163	DTW$_i$:	39.83		
			0.652	h:	14.07	12:13	TIME:
Drawdown:			1.457	csg vol:	9.18		

COMMENTS

* pumped 2 L/MIN

** moved YSI in shade

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: CG			
DATE: 6-24-20			
Weather: Sunny			
WELL ID: B4/MW 30			

Comments

kd - 39 - 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
0910	39.52	53.83	250	18.9	1.098	7.60	7.13	228.9	135.84
0920				18.9	1.12	7.43	6.98	231.7	70.41
0930				18.8	1.18	7.27	6.72	217.8	11.96
0940			225	18.9	1.18	7.24	6.73	214.2	2.73
0950				19.0	1.19	7.22	6.71	220.0	4.89
1000				19.1	1.19	7.22	6.72	228.1	4.26
1010				19.3	1.20	7.21	6.69	225.5	4.02
1020				18.7	1.18	7.18	6.77	234.9	2.78
1036				12.9	1.19	7.17	6.75	236.6	6.59

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	27	Gallons	Liters	GALLONS	

					WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.83	DTW final :	
DTW initial:			0.163	DTW$_i$:	39.52	39.87	
			0.652	h:	14.31	TIME:	
Drawdown:			1.457	csg vol:	9.34	1033	

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: CC7				W-41-B6/MW32
DATE: 6-24-22				
Weather: Sunny				
WELL ID: B6/MW32				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg (C) F	µS/cm	unit	mg/L	mV	NTU
		53.98		1 deg	3%	0.1	0.3	10% or 5	10% or 5
1334	41.63		700	20.0	1.12	6.97	0.52	-168.1	11.81
1344				19.9	1.09	6.81	0.39	-146.5	3.42
1354				20.0	1.10	6.75	0.32	-123.5	2.58
1404				19.8	1.09	6.75	0.34	-118.4	2.37
1414				20.0	1.09	6.74	0.33	-113.5	2.25
1424				19.9	1.10	6.72	0.33	-109.6	2.32
1434				20.1	1.10	6.71	0.32	-96.5	2.17
1444				20.1	1.11	6.68	0.31	-96.0	2.24
1454				19.9	1.10	6.69	0.31	-83.1	2.21
1504				20.1	1.11	6.68	0.31	-78.6	2.15
1514				20.1	1.10	6.68	0.30	-72.3	2.12

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	24	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.98	DTW final: 41.94
DTW initial:			0.163	DTW$_i$:	41.63	
			0.652	h:	12.35	TIME:
Drawdown:			1.457	csg vol:	8.06	1518

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician:				
DATE:				
Weather:				
WELL ID: MW 6				

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:	41.98	DTW $_{final}$:	
DTW initial:			0.163	DTW$_i$:	39.35		
			0.652	h:	2.63	TIME:	
Drawdown:			1.457	csg vol:	0.43		

COMMENTS

2" well

Insufficient water

Cardno Job #: 3612	Quarter: 2		Year: 2020	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician:				
DATE:				
Weather:				
WELL ID: MW 10				

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:	42.80	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	41.62	
			0.652	h:	1.18	TIME:
Drawdown:			1.457	csg vol:	0.19	

COMMENTS

2"
Insufficient Water

Cardno Job #: 3612	Quarter: 2		Year: 2020	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician:				
DATE:				
Weather:				NOT enough water
WELL ID: MW 3				

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	~~18~~	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	44.80	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	36.16	
			0.652	h:	8.64	TIME:
Drawdown:			1.457	csg vol:	~~5.64~~	

COMMENTS 1.41 2" well

1.41

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: ML			
DATE: 6/25/20 73°			
Weather: SUNNY Windy			
WELL ID: MW 11			

Comments: W-43.31 - MW 11

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
				1 deg	3%	0.1	0.3	10% or 5	10% or 5
33 9:40	40.85		700	19.9	1594	6.70	6.90	236	18.92
33 9:45	41.60		700	19.8	1591	6.68	6.48	225	14.15
32 9:50	41.94		700	19.8	1592	6.66	4.76	197	9.28
10:00	42.10		700	19.8	1584	6.65	6.43	176	9.63
10:10	42.15		700	19.9	1566	6.65	3.42	135	14.66
10:20	43.22		700	19.9	1543	6.62	2.54	139.7	14.67
10:30	43.26		700	19.8	1523	6.61	2.18	134	8.17
10:46	43.29		700	19.9	1507	6.60	2.02	122	8.90
10:50	43.30		700	19.8	1503	6.60	2.05	124	9.09
11:00	43.31		700	19.8	1500	6.60	2.07	124.9	8.97

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:	48.02	DTW final:
DTW initial:			0.163	DTW$_i$:	40.93	43.31
			0.652	h:	7.09	TIME:
Drawdown:			1.457	csg vol:	4.63	11:00

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				W-41-MW17
Sample Technician:				
DATE: 6-25-20				
Weather: Sunny				
WELL ID: MW 17				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C / F	µS/cm	unit	mg/L	mV	NTU
		48.25		1 deg	3%	0.1	0.3	10% or 5	10% or 5
0815	40.34		650	19.6	1.67	7.15	0.50	-106.2	4.55
0825				19.7	1.67	7.00	0.44	-106.2	4.07
0835				19.8	1.67	6.94	0.40	-104.5	3.56
0845				20.1	1.65	6.93	0.36	-103.8	2.99
0855				21.0	1.63	6.92	0.34	-104.7	2.89
0905				21.9	1.60	6.92	0.36	-104.0	2.54
0915				22.4	1.59	6.91	0.33	-105.3	2.58
0925				20.7	1.56	6.91	0.46	-95.3	2.57
0935									

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:	48.25	DTW final: 41.81
DTW initial:		0.163	DTW$_i$:	40.41	
		0.652	h:	7.84	TIME: 0938
Drawdown:		1.457	csg vol:	5.12	

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician:	ML		
DATE:	6/25/20		
Weather:	75° Sunny Windy		
WELL ID:	MW 22		

Comments: (W-43.22-MW 22

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity	
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU	
				1 deg	3%	0.1	0.3	10% or 5	10% or 5	
34	8:10	41.90		750	19.3	1003	7.14	3.06	320	5.21	
33	8:15	42.25		650	19.4	1003	7.11	2.84	379	3.82	
33	8:20	42.39		500	19.5	1003	7.09	2.69	404	3.08	
31	8:28	42.60		700	19.5	1003	7.06	2.14	393	2.54	4 gallons
34	8:30	42.80		700	19.4	1002	7.05	2.0	385	2.55	
34	8:40	43.05		700	19.5	1002	7.02	1.64	340	2.65	
L	8:50	43.20		700	19.5	999	7.05	1.47	210	3.62	
	9:00	43.22		700	19.5	998	7.00	1.38	208	5.11	11.5
	9:05	43.22		700	19.5	997	7.00	1.38	207	5.44	

Depth to Pump Intake	45	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	12	Gallons	Liters	7	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION	
DTW final:			Conversion	TD:	47.70	DTW final :	43.22
DTW initial:			0.163	DTW$_i$:	41.24		
			0.652	h:	6.49	TIME:	9:05
Drawdown:			1.457	csg vol:	4.22		

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2020	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician:				W- -BS/MW31
DATE: 6-25-20				
Weather: Sunny				
WELL ID: BS / MW 31				

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
		50.46	670	1 deg	3%	0.1	0.3	10% or 5	10% or 5
1022	40.28			19.4	1.12	7.09	1.17	82.2	3.87
1032				19.5	1.13	6.92	1.07	83.3	4.46
1042				19.8	1.14	6.89	1.01	86.6	4.25
1052	41.04		600	19.5	1.03	6.85	1.07	84.2	4.37
1102				19.6	1.06	6.83	1.05	84.5	4.55
1112				19.5	1.04	6.83	1.05	84.8	2.85
1122				19.6	1.16	6.82	1.02	85.3	2.64
1132				19.5	1.22	6.82	1.20	89.8	2.57
1142				19.2	1.17	6.81	1.10	88.4	2.55

Depth to Pump Intake	48	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	21	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	50.40	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	40.25	40.89
			0.652	h:	10.15	TIME:
Drawdown:			1.457	csg vol:	6.63	1154

COMMENTS

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW1		SAMPLER(S)
METHOD: Hand	BAILER (type) 1" Poly	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	2"	FLUID TYPE	
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	Black

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-25-20	1505	1515	37.52	37.89			2 gal LNAPL Water Mix
							.25 gal of LNAPL

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW 5		SAMPLER(S)
METHOD:	BAILER (type)	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER		FLUID TYPE	Amber
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	

Water Product

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft)	DEPTH TO ~~WATER~~ (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6/25/20	12:00	10	40.20	39.20	500	1800	

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW 9		SAMPLER(S)
METHOD:	BAILER (type)	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	2"	FLUID TYPE	Diesel
TOTAL DEPTH		VISCOSITY	Light
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6/25/20	14:40	14:56	40.90	41.20	300	~~1500~~ 1500	

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW12		SAMPLER(S)
METHOD: Hand	BAILER (type) 4" Poly	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	4"	FLUID TYPE	
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	Black

Water Product

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-25-20	1440	1454	40.76	40.42			2.75 gal LNAPL Water Mix ~~2.5 gal LNAPL~~ 3/4" LNAPL on top of water

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW13		SAMPLER(S)
METHOD: Hand	BAILER (type) 4" Poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Black

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ Product (ft)	DEPTH TO ~~WATER~~ Water (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-25-26	1245	1300	40.35	39.26			Removed 3.75 gal mix 1.75 LNAPL

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:			PROJ. NO.
WELL: MW14			SAMPLER(S) MLach
METHOD:	BAILER (type) 4"		PUMP (type)

WELL INFORMATION

CASING DIAMETER 4"	
TOTAL DEPTH	
DEPTH TO TOP OF SCREEN	
SCREEN LENGTH	

HYDROCARBON INFORMATION

FLUID TYPE	Amber
VISCOSITY	Thin
DENSITY	
COLOR	

TEST DATA

Water Product

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft)	DEPTH TO ~~WATER~~ (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6/25/20	7:40		39.01	40.10	3750	5000	
	13:05	20					

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

6/25/20

SITE:		PROJ. NO.	
WELL: MW15		SAMPLER(S)	ML
METHOD:	BAILER (type)	PUMP (type)	Bailer

WELL INFORMATION

CASING DIAMETER	4"
TOTAL DEPTH	
DEPTH TO TOP OF SCREEN	
SCREEN LENGTH	

HYDROCARBON INFORMATION

FLUID TYPE	Amber
VISCOSITY	Thin
DENSITY	
COLOR	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6/25/20	12:15	15	39.45	39.80	700	5000	

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW16		SAMPLER(S) Mach
METHOD:	BAILER (type) 2"	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	4"	FLUID TYPE	Amber Light
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6/25/20	14:55	10			1000	5000	

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW 18		SAMPLER(S)
METHOD: Hand	BAILER (type) 4" poly	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR

Water Product

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft)	DEPTH TO ~~WATER~~ (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-25-20	1312	1326	40.02	39.49			2gal LNAPL Water mix i2.5 gal of LNAPL

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.	
WELL: MW20		SAMPLER(S)	MLoth
METHOD:	BAILER (type) 4"	~~PUMP (type)~~	

WELL INFORMATION

CASING DIAMETER	4"
TOTAL DEPTH	
DEPTH TO TOP OF SCREEN	
SCREEN LENGTH	

HYDROCARBON INFORMATION

FLUID TYPE	AMBER
VISCOSITY	Light
DENSITY	
COLOR	

TEST DATA

Water Product

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6/25/20	1400	20	41.23	39.57	5500	2500	
						4 1/2 3	
						39.57	
						166	

Figure 1

Well _____

Page __ of __

Cardno

LNAPL BAILING FORM

SITE:			PROJ. NO.
WELL: mw 21			SAMPLER(S) M Lark
METHOD:	BAILER (type) 4"		PUMP (type) 4" B

WELL INFORMATION

CASING DIAMETER 4"	
TOTAL DEPTH	
DEPTH TO TOP OF SCREEN	
SCREEN LENGTH	

HYDROCARBON INFORMATION

FLUID TYPE Amber	
VISCOSITY Lite	
DENSITY	
COLOR	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft) Water	DEPTH TO ~~WATER~~ (ft) Produ	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
13:40	6/25/20	13:55	40.20	39.45	3000	5000	

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:			PROJ. NO.
WELL: MW 23			SAMPLER(S) MLach
METHOD:	BAILER (type) Z11		PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	2"	FLUID TYPE	Hydraulic
TOTAL DEPTH		VISCOSITY	Light
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	

Water Product

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft)	DEPTH TO ~~WATER~~ (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
10/25/20	13:30	13:35 5MIN	39.81	39.74	15	250	

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.	
WELL: MW 24		SAMPLER(S)	MLock
METHOD:	BAILER (type)	PUMP (type)	

WELL INFORMATION

CASING DIAMETER	2"
TOTAL DEPTH	
DEPTH TO TOP OF SCREEN	
SCREEN LENGTH	

HYDROCARBON INFORMATION

FLUID TYPE	Amber
VISCOSITY	Light
DENSITY	
COLOR	

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ (ft) Water	DEPTH TO ~~WATER~~ (ft) Product	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
4/25/20	14:25	14.35	40.65	38.40	2000	2000	
		10					

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE: 3612		PROJ. NO.
WELL: MW 25		SAMPLER(S)
METHOD: Hand	BAILER (type) ~~Disp~~ 1" poly	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	2	FLUID TYPE	
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	Black

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ Water (ft)	DEPTH TO ~~WATER~~ Fluid (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-25-20	1340	1355	41.89	39.58			1.5 gal LNAPL Water mix, 1.0 gal LNAPL

Figure 1

Well _____

Page __ of __

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO.
WELL: MW 26		SAMPLER(S)
METHOD: Hand	BAILER (type) 1"	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY
SCREEN LENGTH	COLOR Black

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO ~~PRODUCT~~ Product (ft)	DEPTH TO ~~WATER~~ Water (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-25-20	1403	1429	41.60	39.93			3.5 gal LNAPL mix 1.25 gal LNAPL

Figure 1

APPENDIX B

LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-31874-1
Client Project/Site: ExxonMobil Gladiola Station

For:
Cardno, Inc
4572 Telephone Road #916
Ventura, California 93003

Attn: Mr. James Anderson

Authorized for release by:
7/10/2020 9:42:20 AM

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

Table of Contents

Definitions/Glossary

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

Job ID: 570-31874-1

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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 570-31874-1

Job ID: 570-31874-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-31874-1

Comments
No additional comments.

Receipt
The samples were received on 6/25/2020 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 2.2º C and 2.5º C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): W-43-MW19 (570-31874-1). The container labels list W-43.4-MW19, while the COC lists W-43-MW19 (date and time match).

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): W-39-B3/MW29 (570-31874-3). The container labels list W-39.99-MW29, while the COC lists W-39-B3/MW29(date and time match).

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC): W-40-MW27 (570-31874-5). The container labels list W-40.12-MW27, while the COC lists W-40-MW27. (date and time mattch).

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-77916.

Method 8260B: The method blank for analytical batch 570-77916 contained Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-79792 and analytical batch 570-80095 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for preparation batch 570-79792 and analytical batch 570-80095 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory sample control duplicate (LCS/LCSD) precision 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 570-77976. 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.

Case Narrative

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

Job ID: 570-31874-1

Job ID: 570-31874-1 (Continued)

Laboratory: Eurofins Calscience LLC (Continued)

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

Job ID: 570-31874-1

Client Sample ID: W-43-MW19 — Lab Sample ID: 570-31874-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.17	J	0.50	0.072	ug/L	1		8260B	Total/NA
Ethylbenzene	0.38	J	0.50	0.087	ug/L	1		8260B	Total/NA
o-Xylene	0.097	J	0.50	0.086	ug/L	1		8260B	Total/NA
m,p-Xylene	0.90	J	1.0	0.15	ug/L	1		8260B	Total/NA
Xylenes, Total	1.0		1.0	0.52	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	1.6		0.50	0.068	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.47	J	0.50	0.079	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.50		0.50	0.077	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.31	J	0.50	0.11	ug/L	1		8260B	Total/NA
N-Propylbenzene	0.28	J	0.50	0.076	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.24	J	0.50	0.074	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.1		0.50	0.095	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.55		0.50	0.082	ug/L	1		8260B	Total/NA
Acenaphthene	0.019	J	0.19	0.013	ug/L	1		8270C SIM	Total/NA
Fluorene	0.33		0.19	0.012	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.13	J	0.19	0.010	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.072	J	0.19	0.013	ug/L	1		8270C SIM	Total/NA
Naphthalene	0.13	J	0.19	0.013	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.12	J	0.19	0.0049	ug/L	1		8270C SIM	Total/NA
Sulfate	110		10	4.9	mg/L	10		300.0	Total/NA
Arsenic	0.0299	J	0.100	0.0181	mg/L	1		6010B	Total/NA
Barium	0.0520		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0152	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	306		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	595		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	43.9		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-39-B4/MW30 — Lab Sample ID: 570-31874-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	91		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0474		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0228	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	165		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	800		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	197		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-39-B3/MW29 — Lab Sample ID: 570-31874-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	100		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0496		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0196	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	175		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	730		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	189		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-39-B2/MW28 — Lab Sample ID: 570-31874-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	400		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0561		0.0100	0.00308	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

Job ID: 570-31874-1

Client Sample ID: W-39-B2/MW28 (Continued) — Lab Sample ID: 570-31874-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.0285	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Selenium	0.0278	J	0.100	0.0244	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	151		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1180		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	202		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-40-MW27 — Lab Sample ID: 570-31874-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	120		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0404		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0249	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	168		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	286		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-41-B6/MW32 — Lab Sample ID: 570-31874-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.97		0.50	0.072	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.21	J	0.50	0.068	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.59		0.50	0.077	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.49	J	0.50	0.074	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.9		0.50	0.095	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.4		0.50	0.082	ug/L	1		8260B	Total/NA
Fluorene	0.63		0.19	0.012	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.13	J	0.19	0.010	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.019	J	0.19	0.013	ug/L	1		8270C SIM	Total/NA
Naphthalene	0.26		0.19	0.013	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.015	J	0.19	0.0048	ug/L	1		8270C SIM	Total/NA
Sulfate	37		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.163		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0198	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	466		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	620		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	33.8		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-31874-7

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

Job ID: 570-31874-1

Client Sample ID: W-43-MW19

Date Collected: 06/24/20 09:15
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.17**	**J**	0.50	0.072	ug/L			06/26/20 13:11	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 13:11	1
Ethylbenzene	**0.38**	**J**	0.50	0.087	ug/L			06/26/20 13:11	1
o-Xylene	**0.097**	**J**	0.50	0.086	ug/L			06/26/20 13:11	1
m,p-Xylene	**0.90**	**J**	1.0	0.15	ug/L			06/26/20 13:11	1
Xylenes, Total	**1.0**		1.0	0.52	ug/L			06/26/20 13:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 13:11	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 13:11	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 13:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 13:11	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 13:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 13:11	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 13:11	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 13:11	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 13:11	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 13:11	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 13:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 13:11	1
1,2,4-Trimethylbenzene	**1.6**		0.50	0.068	ug/L			06/26/20 13:11	1
1,3,5-Trimethylbenzene	**0.47**	**J**	0.50	0.079	ug/L			06/26/20 13:11	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 13:11	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 13:11	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 13:11	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/26/20 13:11	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 13:11	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 13:11	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 13:11	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 13:11	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 13:11	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 13:11	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 13:11	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 13:11	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 13:11	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 13:11	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 13:11	1
Acetone	ND		10	4.0	ug/L			06/26/20 13:11	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 13:11	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 13:11	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 13:11	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 13:11	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 13:11	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 13:11	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 13:11	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 13:11	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 13:11	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 13:11	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 13:11	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 13:11	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 13:11	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-43-MW19

Date Collected: 06/24/20 09:15
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 13:11	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 13:11	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 13:11	1
Isopropylbenzene	**0.50**		0.50	0.077	ug/L			06/26/20 13:11	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 13:11	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 13:11	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 13:11	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 13:11	1
n-Butylbenzene	**0.31**	**J**	0.50	0.11	ug/L			06/26/20 13:11	1
N-Propylbenzene	**0.28**	**J**	0.50	0.076	ug/L			06/26/20 13:11	1
p-Isopropyltoluene	**0.24**	**J**	0.50	0.074	ug/L			06/26/20 13:11	1
sec-Butylbenzene	**1.1**		0.50	0.095	ug/L			06/26/20 13:11	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 13:11	1
tert-Butylbenzene	**0.55**		0.50	0.082	ug/L			06/26/20 13:11	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 13:11	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 13:11	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 13:11	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 128*		*06/26/20 13:11*	*1*
4-Bromofluorobenzene (Surr)	*102*		*68 - 120*		*06/26/20 13:11*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 127*		*06/26/20 13:11*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/26/20 13:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.019**	**J**	0.19	0.013	ug/L		06/26/20 10:06	06/29/20 17:42	1
Acenaphthylene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 17:42	1
Anthracene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 17:42	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 17:42	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		06/26/20 10:06	06/29/20 17:42	1
Benzo[b]fluoranthene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 17:42	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		06/26/20 10:06	06/29/20 17:42	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 17:42	1
Chrysene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 17:42	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		06/26/20 10:06	06/29/20 17:42	1
Fluoranthene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 17:42	1
Fluorene	**0.33**		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 17:42	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 17:42	1
1-Methylnaphthalene	**0.13**	**J**	0.19	0.010	ug/L		06/26/20 10:06	06/29/20 17:42	1
2-Methylnaphthalene	**0.072**	**J**	0.19	0.013	ug/L		06/26/20 10:06	06/29/20 17:42	1
Naphthalene	**0.13**	**J**	0.19	0.013	ug/L		06/26/20 10:06	06/29/20 17:42	1
Phenanthrene	**0.12**	**J**	0.19	0.0049	ug/L		06/26/20 10:06	06/29/20 17:42	1
Pyrene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 17:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*64*		*33 - 144*	*06/26/20 10:06*	*06/29/20 17:42*	*1*
Nitrobenzene-d5 (Surr)	*71*		*28 - 139*	*06/26/20 10:06*	*06/29/20 17:42*	*1*
p-Terphenyl-d14 (Surr)	*78*		*23 - 160*	*06/26/20 10:06*	*06/29/20 17:42*	*1*

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-43-MW19

Date Collected: 06/24/20 09:15
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-1

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**110**		10	4.9	mg/L			06/26/20 11:56	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0299**	**J**	0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 12:54	1
Barium	**0.0520**		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 12:54	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 12:54	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 12:54	1
Lead	**0.0152**	**J**	0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 12:54	1
Selenium	ND		0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 12:54	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 12:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**306**		5.00	1.69	mg/L			06/29/20 20:39	1
Total Dissolved Solids	**595**		1.00	0.870	mg/L			06/26/20 19:11	1
Chloride	**43.9**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample ID: W-39-B4/MW30

Date Collected: 06/24/20 10:33
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/26/20 13:40	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 13:40	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 13:40	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 13:40	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 13:40	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 13:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 13:40	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 13:40	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 13:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 13:40	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 13:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 13:40	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 13:40	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 13:40	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 13:40	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 13:40	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 13:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 13:40	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/26/20 13:40	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 13:40	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 13:40	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 13:40	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 13:40	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B4/MW30
Date Collected: 06/24/20 10:33
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-2
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		0.50	0.075	ug/L			06/26/20 13:40	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 13:40	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 13:40	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 13:40	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 13:40	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 13:40	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 13:40	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 13:40	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 13:40	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 13:40	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 13:40	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 13:40	1
Acetone	ND		10	4.0	ug/L			06/26/20 13:40	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 13:40	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 13:40	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 13:40	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 13:40	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 13:40	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 13:40	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 13:40	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 13:40	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 13:40	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 13:40	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 13:40	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 13:40	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 13:40	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 13:40	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 13:40	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 13:40	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/26/20 13:40	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 13:40	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 13:40	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 13:40	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 13:40	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 13:40	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 13:40	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/26/20 13:40	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/26/20 13:40	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 13:40	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/26/20 13:40	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 13:40	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 13:40	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 13:40	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*80 - 128*		*06/26/20 13:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*		*06/26/20 13:40*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 127*		*06/26/20 13:40*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/26/20 13:40*	*1*

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B4/MW30

Date Collected: 06/24/20 10:33
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:02	1
Acenaphthylene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:02	1
Anthracene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 18:02	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:02	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		06/26/20 10:06	06/29/20 18:02	1
Benzo[b]fluoranthene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 18:02	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		06/26/20 10:06	06/29/20 18:02	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:02	1
Chrysene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 18:02	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		06/26/20 10:06	06/29/20 18:02	1
Fluoranthene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 18:02	1
Fluorene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:02	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 18:02	1
1-Methylnaphthalene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:02	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:02	1
Naphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:02	1
Phenanthrene	ND		0.19	0.0048	ug/L		06/26/20 10:06	06/29/20 18:02	1
Pyrene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*33 - 144*	*06/26/20 10:06*	*06/29/20 18:02*	*1*
Nitrobenzene-d5 (Surr)	*72*		*28 - 139*	*06/26/20 10:06*	*06/29/20 18:02*	*1*
p-Terphenyl-d14 (Surr)	*80*		*23 - 160*	*06/26/20 10:06*	*06/29/20 18:02*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**91**		10	4.9	mg/L			06/26/20 12:15	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 12:56	1
Barium	**0.0474**		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 12:56	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 12:56	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 12:56	1
Lead	**0.0228**	**J**	0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 12:56	1
Selenium	ND		0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 12:56	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 12:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**165**		5.00	1.69	mg/L			06/29/20 20:46	1
Total Dissolved Solids	**800**		1.00	0.870	mg/L			06/26/20 19:11	1
Chloride	**197**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B3/MW29

Date Collected: 06/24/20 12:13
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/26/20 14:09	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 14:09	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 14:09	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 14:09	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 14:09	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 14:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 14:09	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 14:09	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 14:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 14:09	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 14:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 14:09	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 14:09	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 14:09	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 14:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 14:09	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 14:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 14:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/26/20 14:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 14:09	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 14:09	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 14:09	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 14:09	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/26/20 14:09	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 14:09	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 14:09	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 14:09	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 14:09	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 14:09	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 14:09	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 14:09	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 14:09	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 14:09	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 14:09	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 14:09	1
Acetone	ND		10	4.0	ug/L			06/26/20 14:09	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 14:09	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 14:09	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 14:09	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 14:09	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 14:09	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 14:09	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 14:09	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 14:09	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 14:09	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 14:09	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 14:09	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 14:09	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 14:09	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B3/MW29

Date Collected: 06/24/20 12:13
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 14:09	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 14:09	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 14:09	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/26/20 14:09	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 14:09	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 14:09	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 14:09	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 14:09	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 14:09	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 14:09	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/26/20 14:09	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/26/20 14:09	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 14:09	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/26/20 14:09	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 14:09	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 14:09	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 14:09	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 128*		*06/26/20 14:09*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 120*		*06/26/20 14:09*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 127*		*06/26/20 14:09*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/26/20 14:09*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:22	1
Acenaphthylene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:22	1
Anthracene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 18:22	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:22	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		06/26/20 10:06	06/29/20 18:22	1
Benzo[b]fluoranthene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 18:22	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		06/26/20 10:06	06/29/20 18:22	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:22	1
Chrysene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 18:22	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		06/26/20 10:06	06/29/20 18:22	1
Fluoranthene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 18:22	1
Fluorene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:22	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 18:22	1
1-Methylnaphthalene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:22	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:22	1
Naphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:22	1
Phenanthrene	ND		0.19	0.0048	ug/L		06/26/20 10:06	06/29/20 18:22	1
Pyrene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*56*		*33 - 144*	*06/26/20 10:06*	*06/29/20 18:22*	*1*
Nitrobenzene-d5 (Surr)	*67*		*28 - 139*	*06/26/20 10:06*	*06/29/20 18:22*	*1*
p-Terphenyl-d14 (Surr)	*70*		*23 - 160*	*06/26/20 10:06*	*06/29/20 18:22*	*1*

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B3/MW29

Lab Sample ID: 570-31874-3
Matrix: Water
Date Collected: 06/24/20 12:13
Date Received: 06/25/20 09:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**100**		10	4.9	mg/L			06/26/20 12:34	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 12:58	1
Barium	**0.0496**		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 12:58	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 12:58	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 12:58	1
Lead	**0.0196**	**J**	0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 12:58	1
Selenium	ND		0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 12:58	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 12:58	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**175**		5.00	1.69	mg/L			06/29/20 20:52	1
Total Dissolved Solids	**730**		1.00	0.870	mg/L			06/26/20 19:11	1
Chloride	**189**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample ID: W-39-B2/MW28

Lab Sample ID: 570-31874-4
Matrix: Water
Date Collected: 06/24/20 12:45
Date Received: 06/25/20 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/26/20 14:38	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 14:38	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 14:38	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 14:38	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 14:38	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 14:38	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 14:38	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 14:38	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 14:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 14:38	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 14:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 14:38	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 14:38	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 14:38	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 14:38	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 14:38	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 14:38	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 14:38	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/26/20 14:38	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 14:38	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 14:38	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 14:38	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 14:38	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B2/MW28
Date Collected: 06/24/20 12:45
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-4
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		0.50	0.075	ug/L			06/26/20 14:38	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 14:38	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 14:38	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 14:38	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 14:38	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 14:38	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 14:38	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 14:38	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 14:38	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 14:38	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 14:38	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 14:38	1
Acetone	ND		10	4.0	ug/L			06/26/20 14:38	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 14:38	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 14:38	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 14:38	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 14:38	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 14:38	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 14:38	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 14:38	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 14:38	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 14:38	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 14:38	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 14:38	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 14:38	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 14:38	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 14:38	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 14:38	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 14:38	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/26/20 14:38	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 14:38	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 14:38	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 14:38	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 14:38	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 14:38	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 14:38	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/26/20 14:38	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/26/20 14:38	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 14:38	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/26/20 14:38	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 14:38	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 14:38	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 14:38	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 128*		*06/26/20 14:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 120*		*06/26/20 14:38*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 127*		*06/26/20 14:38*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/26/20 14:38*	*1*

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Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-39-B2/MW28

Date Collected: 06/24/20 12:45
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:41	1
Acenaphthylene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:41	1
Anthracene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 18:41	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:41	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		06/26/20 10:06	06/29/20 18:41	1
Benzo[b]fluoranthene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 18:41	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		06/26/20 10:06	06/29/20 18:41	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:41	1
Chrysene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 18:41	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		06/26/20 10:06	06/29/20 18:41	1
Fluoranthene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 18:41	1
Fluorene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:41	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 18:41	1
1-Methylnaphthalene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 18:41	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:41	1
Naphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 18:41	1
Phenanthrene	ND		0.19	0.0048	ug/L		06/26/20 10:06	06/29/20 18:41	1
Pyrene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 18:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*63*		*33 - 144*	*06/26/20 10:06*	*06/29/20 18:41*	*1*
Nitrobenzene-d5 (Surr)	*71*		*28 - 139*	*06/26/20 10:06*	*06/29/20 18:41*	*1*
p-Terphenyl-d14 (Surr)	*75*		*23 - 160*	*06/26/20 10:06*	*06/29/20 18:41*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**400**		10	4.9	mg/L			06/26/20 12:53	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 13:08	1
Barium	**0.0561**		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 13:08	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 13:08	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 13:08	1
Lead	**0.0285**	**J**	0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 13:08	1
Selenium	**0.0278**	**J**	0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 13:08	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 13:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**151**		5.00	1.69	mg/L			06/29/20 20:59	1
Total Dissolved Solids	**1180**		1.00	0.870	mg/L			06/26/20 19:11	1
Chloride	**202**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-40-MW27

Date Collected: 06/24/20 14:35
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/26/20 15:07	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 15:07	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 15:07	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 15:07	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 15:07	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 15:07	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 15:07	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 15:07	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 15:07	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 15:07	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 15:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 15:07	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 15:07	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 15:07	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 15:07	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 15:07	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 15:07	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 15:07	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/26/20 15:07	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 15:07	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 15:07	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 15:07	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 15:07	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/26/20 15:07	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 15:07	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 15:07	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 15:07	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 15:07	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 15:07	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 15:07	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 15:07	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 15:07	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 15:07	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 15:07	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 15:07	1
Acetone	ND		10	4.0	ug/L			06/26/20 15:07	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 15:07	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 15:07	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 15:07	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 15:07	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 15:07	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 15:07	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 15:07	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 15:07	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 15:07	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 15:07	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 15:07	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 15:07	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 15:07	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-40-MW27

Date Collected: 06/24/20 14:35
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 15:07	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 15:07	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 15:07	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/26/20 15:07	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 15:07	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 15:07	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 15:07	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 15:07	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 15:07	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 15:07	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/26/20 15:07	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/26/20 15:07	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 15:07	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/26/20 15:07	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 15:07	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 15:07	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 15:07	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 15:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 128*		*06/26/20 15:07*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 120*		*06/26/20 15:07*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 127*		*06/26/20 15:07*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/26/20 15:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:01	1
Acenaphthylene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 19:01	1
Anthracene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 19:01	1
Benzo[a]anthracene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:01	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		06/26/20 10:06	06/29/20 19:01	1
Benzo[b]fluoranthene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 19:01	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		06/26/20 10:06	06/29/20 19:01	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 19:01	1
Chrysene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 19:01	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		06/26/20 10:06	06/29/20 19:01	1
Fluoranthene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 19:01	1
Fluorene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 19:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 19:01	1
1-Methylnaphthalene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 19:01	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:01	1
Naphthalene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:01	1
Phenanthrene	ND		0.19	0.0049	ug/L		06/26/20 10:06	06/29/20 19:01	1
Pyrene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*33 - 144*	*06/26/20 10:06*	*06/29/20 19:01*	*1*
Nitrobenzene-d5 (Surr)	*73*		*28 - 139*	*06/26/20 10:06*	*06/29/20 19:01*	*1*
p-Terphenyl-d14 (Surr)	*75*		*23 - 160*	*06/26/20 10:06*	*06/29/20 19:01*	*1*

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-40-MW27

Date Collected: 06/24/20 14:35
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-5

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**120**		10	4.9	mg/L			06/26/20 13:12	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 13:11	1
Barium	**0.0404**		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 13:11	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 13:11	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 13:11	1
Lead	**0.0249**	**J**	0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 13:11	1
Selenium	ND		0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 13:11	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 13:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**168**		5.00	1.69	mg/L			06/29/20 21:15	1
Total Dissolved Solids	**955**		1.00	0.870	mg/L			06/26/20 19:11	1
Chloride	**286**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample ID: W-41-B6/MW32

Date Collected: 06/24/20 15:18
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.97**		0.50	0.072	ug/L			06/26/20 15:36	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 15:36	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 15:36	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 15:36	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 15:36	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 15:36	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 15:36	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 15:36	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 15:36	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 15:36	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 15:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 15:36	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 15:36	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 15:36	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 15:36	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 15:36	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 15:36	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 15:36	1
1,2,4-Trimethylbenzene	**0.21**	**J**	0.50	0.068	ug/L			06/26/20 15:36	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 15:36	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 15:36	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 15:36	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 15:36	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-41-B6/MW32

Date Collected: 06/24/20 15:18
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-6

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		0.50	0.075	ug/L			06/26/20 15:36	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 15:36	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 15:36	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 15:36	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 15:36	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 15:36	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 15:36	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 15:36	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 15:36	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 15:36	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 15:36	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 15:36	1
Acetone	ND		10	4.0	ug/L			06/26/20 15:36	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 15:36	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 15:36	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 15:36	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 15:36	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 15:36	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 15:36	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 15:36	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 15:36	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 15:36	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 15:36	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 15:36	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 15:36	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 15:36	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 15:36	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 15:36	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 15:36	1
Isopropylbenzene	**0.59**		0.50	0.077	ug/L			06/26/20 15:36	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 15:36	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 15:36	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 15:36	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 15:36	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 15:36	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 15:36	1
p-Isopropyltoluene	**0.49**	**J**	0.50	0.074	ug/L			06/26/20 15:36	1
sec-Butylbenzene	**1.9**		0.50	0.095	ug/L			06/26/20 15:36	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 15:36	1
tert-Butylbenzene	**1.4**		0.50	0.082	ug/L			06/26/20 15:36	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 15:36	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 15:36	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 15:36	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*117*		*80 - 128*		*06/26/20 15:36*	*1*
4-Bromofluorobenzene (Surr)	*103*		*68 - 120*		*06/26/20 15:36*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 127*		*06/26/20 15:36*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*06/26/20 15:36*	*1*

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: W-41-B6/MW32

Date Collected: 06/24/20 15:18
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:20	1
Acenaphthylene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 19:20	1
Anthracene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 19:20	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 19:20	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		06/26/20 10:06	06/29/20 19:20	1
Benzo[b]fluoranthene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 19:20	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		06/26/20 10:06	06/29/20 19:20	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		06/26/20 10:06	06/29/20 19:20	1
Chrysene	ND		0.19	0.022	ug/L		06/26/20 10:06	06/29/20 19:20	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		06/26/20 10:06	06/29/20 19:20	1
Fluoranthene	ND		0.19	0.014	ug/L		06/26/20 10:06	06/29/20 19:20	1
Fluorene	**0.63**		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 19:20	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		06/26/20 10:06	06/29/20 19:20	1
1-Methylnaphthalene	**0.13**	**J**	0.19	0.010	ug/L		06/26/20 10:06	06/29/20 19:20	1
2-Methylnaphthalene	**0.019**	**J**	0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:20	1
Naphthalene	**0.26**		0.19	0.013	ug/L		06/26/20 10:06	06/29/20 19:20	1
Phenanthrene	**0.015**	**J**	0.19	0.0048	ug/L		06/26/20 10:06	06/29/20 19:20	1
Pyrene	ND		0.19	0.012	ug/L		06/26/20 10:06	06/29/20 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*33 - 144*	*06/26/20 10:06*	*06/29/20 19:20*	*1*
Nitrobenzene-d5 (Surr)	*87*		*28 - 139*	*06/26/20 10:06*	*06/29/20 19:20*	*1*
p-Terphenyl-d14 (Surr)	*86*		*23 - 160*	*06/26/20 10:06*	*06/29/20 19:20*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**37**		10	4.9	mg/L			06/26/20 13:30	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 13:13	1
Barium	**0.163**		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 13:13	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 13:13	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 13:13	1
Lead	**0.0198**	**J**	0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 13:13	1
Selenium	ND		0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 13:13	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 13:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**466**		5.00	1.69	mg/L			06/29/20 21:21	1
Total Dissolved Solids	**620**		1.00	0.870	mg/L			06/26/20 19:11	1
Chloride	**33.8**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: Trip Blank

Date Collected: 06/24/20 00:00
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/26/20 11:15	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 11:15	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 11:15	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 11:15	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 11:15	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 11:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 11:15	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 11:15	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 11:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 11:15	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 11:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 11:15	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 11:15	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 11:15	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 11:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 11:15	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 11:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 11:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/26/20 11:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 11:15	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 11:15	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 11:15	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 11:15	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/26/20 11:15	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 11:15	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 11:15	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 11:15	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 11:15	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 11:15	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 11:15	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 11:15	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 11:15	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 11:15	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 11:15	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 11:15	1
Acetone	ND		10	4.0	ug/L			06/26/20 11:15	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 11:15	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 11:15	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 11:15	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 11:15	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 11:15	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 11:15	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 11:15	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 11:15	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 11:15	1
Chloroform	ND		0.50	0.062	ug/L			06/26/20 11:15	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 11:15	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 11:15	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 11:15	1

Client Sample Results

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

Job ID: 570-31874-1

Client Sample ID: Trip Blank

Date Collected: 06/24/20 00:00
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 11:15	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 11:15	1
Hexachloro-1,3-butadiene	ND	*	2.0	0.59	ug/L			06/26/20 11:15	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/26/20 11:15	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 11:15	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 11:15	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 11:15	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 11:15	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 11:15	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 11:15	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/26/20 11:15	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/26/20 11:15	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 11:15	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/26/20 11:15	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 11:15	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 11:15	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 11:15	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 11:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*113*		*80 - 128*		*06/26/20 11:15*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 120*		*06/26/20 11:15*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 127*		*06/26/20 11:15*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*06/26/20 11:15*	*1*

Surrogate Summary

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

Job ID: 570-31874-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-31874-1	W-43-MW19	116	102	105	101
570-31874-2	W-39-B4/MW30	116	99	101	102
570-31874-3	W-39-B3/MW29	118	98	107	102
570-31874-4	W-39-B2/MW28	117	97	104	101
570-31874-5	W-40-MW27	117	97	107	103
570-31874-6	W-41-B6/MW32	117	103	102	103
570-31874-7	Trip Blank	113	98	101	104
LCS 570-77916/3	Lab Control Sample	108	104	101	99
LCSD 570-77916/4	Lab Control Sample Dup	110	103	103	103
MB 570-77916/6	Method Blank	118	97	103	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)		
Lab Sample ID	Client Sample ID	FBP (33-144)	NBZ (28-139)	TPHd14 (23-160)
570-31874-1	W-43-MW19	64	71	78
570-31874-2	W-39-B4/MW30	67	72	80
570-31874-3	W-39-B3/MW29	56	67	70
570-31874-4	W-39-B2/MW28	63	71	75
570-31874-5	W-40-MW27	61	73	75
570-31874-6	W-41-B6/MW32	75	87	86
LCS 570-77976/2-A	Lab Control Sample	55	59	61
LCSD 570-77976/3-A	Lab Control Sample Dup	56	64	64
MB 570-77976/1-A	Method Blank	69	78	77

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

Job ID: 570-31874-1

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

Lab Sample ID: MB 570-77916/6
Matrix: Water
Analysis Batch: 77916

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/26/20 10:17	1
Toluene	ND		0.50	0.093	ug/L			06/26/20 10:17	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/26/20 10:17	1
o-Xylene	ND		0.50	0.086	ug/L			06/26/20 10:17	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/26/20 10:17	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/26/20 10:17	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/26/20 10:17	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/26/20 10:17	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/26/20 10:17	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/26/20 10:17	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/26/20 10:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/26/20 10:17	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/26/20 10:17	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/26/20 10:17	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/26/20 10:17	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/26/20 10:17	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/26/20 10:17	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/26/20 10:17	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/26/20 10:17	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/26/20 10:17	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/26/20 10:17	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/26/20 10:17	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/26/20 10:17	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/26/20 10:17	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/26/20 10:17	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/26/20 10:17	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/26/20 10:17	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/26/20 10:17	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/26/20 10:17	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/26/20 10:17	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/26/20 10:17	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/26/20 10:17	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/26/20 10:17	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/26/20 10:17	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/26/20 10:17	1
Acetone	ND		10	4.0	ug/L			06/26/20 10:17	1
Bromobenzene	ND		0.50	0.061	ug/L			06/26/20 10:17	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/26/20 10:17	1
Bromoform	ND		0.50	0.096	ug/L			06/26/20 10:17	1
Bromomethane	ND		2.0	0.99	ug/L			06/26/20 10:17	1
Carbon disulfide	ND		10	0.39	ug/L			06/26/20 10:17	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/26/20 10:17	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/26/20 10:17	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/26/20 10:17	1
Chloroethane	ND		0.50	0.12	ug/L			06/26/20 10:17	1
Chloroform	0.09654	J	0.50	0.062	ug/L			06/26/20 10:17	1
Chloromethane	ND		5.0	2.0	ug/L			06/26/20 10:17	1
Dibromomethane	ND		0.50	0.13	ug/L			06/26/20 10:17	1

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: MB 570-77916/6
Matrix: Water
Analysis Batch: 77916

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.50	0.053	ug/L			06/26/20 10:17	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/26/20 10:17	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/26/20 10:17	1
Hexachloro-1,3-butadiene	ND		2.0	0.59	ug/L			06/26/20 10:17	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/26/20 10:17	1
2-Butanone	ND		5.0	0.46	ug/L			06/26/20 10:17	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/26/20 10:17	1
2-Hexanone	ND		10	0.50	ug/L			06/26/20 10:17	1
Naphthalene	ND		1.0	0.097	ug/L			06/26/20 10:17	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/26/20 10:17	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/26/20 10:17	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/26/20 10:17	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/26/20 10:17	1
Styrene	ND		0.50	0.059	ug/L			06/26/20 10:17	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/26/20 10:17	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/26/20 10:17	1
Trichloroethene	ND		0.50	0.10	ug/L			06/26/20 10:17	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/26/20 10:17	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/26/20 10:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*118*		*80 - 128*		*06/26/20 10:17*	*1*
4-Bromofluorobenzene (Surr)	*97*		*68 - 120*		*06/26/20 10:17*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 127*		*06/26/20 10:17*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/26/20 10:17*	*1*

Lab Sample ID: LCS 570-77916/3
Matrix: Water
Analysis Batch: 77916

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.999		ug/L		100	80 - 120
Toluene	10.0	10.39		ug/L		104	80 - 120
Ethylbenzene	10.0	11.07		ug/L		111	80 - 120
o-Xylene	10.0	11.13		ug/L		111	80 - 120
m,p-Xylene	20.0	22.44		ug/L		112	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.270		ug/L		83	75 - 123
1,1-Dichloroethene	10.0	10.10		ug/L		101	77 - 120
1,2-Dichlorobenzene	10.0	10.44		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	11.45		ug/L		114	80 - 122
Carbon tetrachloride	10.0	9.189		ug/L		92	80 - 129
Chlorobenzene	10.0	10.59		ug/L		106	80 - 120
1,2-Dibromoethane	10.0	10.09		ug/L		101	80 - 120
Hexachloro-1,3-butadiene	10.0	12.36	* me	ug/L		124	80 - 122
Trichloroethene	10.0	10.32		ug/L		103	80 - 120
Vinyl chloride	10.0	9.406		ug/L		94	63 - 135

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: LCS 570-77916/3
Matrix: Water
Analysis Batch: 77916

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)	*104*		*68 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 127*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: LCSD 570-77916/4
Matrix: Water
Analysis Batch: 77916

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
Benzene			10.0	10.04		ug/L		100	80 - 120	0	22
Toluene			10.0	10.42		ug/L		104	80 - 120	0	28
Ethylbenzene			10.0	10.77		ug/L		108	80 - 120	3	25
o-Xylene			10.0	10.89		ug/L		109	80 - 120	2	30
m,p-Xylene			20.0	21.62		ug/L		108	80 - 120	4	30
Methyl-t-Butyl Ether (MTBE)			10.0	8.362		ug/L		84	75 - 123	1	27
1,1-Dichloroethene			10.0	9.949		ug/L		99	77 - 120	1	26
1,2-Dichlorobenzene			10.0	10.34		ug/L		103	80 - 120	1	30
1,2-Dichloroethane			10.0	11.49		ug/L		115	80 - 122	0	23
Carbon tetrachloride			10.0	9.455		ug/L		95	80 - 129	3	36
Chlorobenzene			10.0	10.36		ug/L		104	80 - 120	2	29
1,2-Dibromoethane			10.0	10.22		ug/L		102	80 - 120	1	32
Hexachloro-1,3-butadiene			10.0	12.05		ug/L		121	80 - 122	3	30
Trichloroethene			10.0	10.34		ug/L		103	80 - 120	0	25
Vinyl chloride			10.0	9.044		ug/L		90	63 - 135	4	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*110*		*80 - 128*
4-Bromofluorobenzene (Surr)	*103*		*68 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 127*
Toluene-d8 (Surr)	*103*		*80 - 120*

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

Lab Sample ID: MB 570-77976/1-A
Matrix: Water
Analysis Batch: 78325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.013	ug/L		06/26/20 10:06	06/29/20 12:29	1
Acenaphthylene	ND		0.20	0.011	ug/L		06/26/20 10:06	06/29/20 12:29	1
Anthracene	ND		0.20	0.015	ug/L		06/26/20 10:06	06/29/20 12:29	1
Benzo[a]anthracene	ND		0.20	0.013	ug/L		06/26/20 10:06	06/29/20 12:29	1
Benzo[a]pyrene	ND		0.20	0.019	ug/L		06/26/20 10:06	06/29/20 12:29	1
Benzo[b]fluoranthene	ND		0.20	0.023	ug/L		06/26/20 10:06	06/29/20 12:29	1
Benzo[g,h,i]perylene	ND		0.20	0.021	ug/L		06/26/20 10:06	06/29/20 12:29	1
Benzo[k]fluoranthene	ND		0.20	0.011	ug/L		06/26/20 10:06	06/29/20 12:29	1
Chrysene	ND		0.20	0.023	ug/L		06/26/20 10:06	06/29/20 12:29	1

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: MB 570-77976/1-A
Matrix: Water
Analysis Batch: 78325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 77976

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.018	ug/L		06/26/20 10:06	06/29/20 12:29	1
Fluoranthene	ND		0.20	0.015	ug/L		06/26/20 10:06	06/29/20 12:29	1
Fluorene	ND		0.20	0.013	ug/L		06/26/20 10:06	06/29/20 12:29	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.022	ug/L		06/26/20 10:06	06/29/20 12:29	1
1-Methylnaphthalene	ND		0.20	0.011	ug/L		06/26/20 10:06	06/29/20 12:29	1
2-Methylnaphthalene	ND		0.20	0.013	ug/L		06/26/20 10:06	06/29/20 12:29	1
Naphthalene	ND		0.20	0.014	ug/L		06/26/20 10:06	06/29/20 12:29	1
Phenanthrene	ND		0.20	0.0051	ug/L		06/26/20 10:06	06/29/20 12:29	1
Pyrene	ND		0.20	0.012	ug/L		06/26/20 10:06	06/29/20 12:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*69*		*33 - 144*	*06/26/20 10:06*	*06/29/20 12:29*	*1*
Nitrobenzene-d5 (Surr)	*78*		*28 - 139*	*06/26/20 10:06*	*06/29/20 12:29*	*1*
p-Terphenyl-d14 (Surr)	*77*		*23 - 160*	*06/26/20 10:06*	*06/29/20 12:29*	*1*

Lab Sample ID: LCS 570-77976/2-A
Matrix: Water
Analysis Batch: 78325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 77976

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.301		ug/L		65	55 - 121
Acenaphthylene	2.00	1.371		ug/L		69	33 - 145
Anthracene	2.00	1.418		ug/L		71	27 - 133
Benzo[a]anthracene	2.00	1.374		ug/L		69	33 - 143
Benzo[a]pyrene	2.00	1.145		ug/L		57	17 - 163
Benzo[b]fluoranthene	2.00	1.288		ug/L		64	24 - 159
Benzo[g,h,i]perylene	2.00	1.525		ug/L		76	25 - 157
Benzo[k]fluoranthene	2.00	1.258		ug/L		63	24 - 159
Chrysene	2.00	1.319		ug/L		66	17 - 168
Dibenz(a,h)anthracene	2.00	1.567		ug/L		78	25 - 175
Fluoranthene	2.00	1.355		ug/L		68	26 - 137
Fluorene	2.00	1.424		ug/L		71	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.516		ug/L		76	25 - 175
1-Methylnaphthalene	2.00	1.331		ug/L		67	20 - 140
2-Methylnaphthalene	2.00	1.267		ug/L		63	21 - 140
Naphthalene	2.00	1.208		ug/L		60	21 - 133
Phenanthrene	2.00	1.291		ug/L		65	54 - 120
Pyrene	2.00	1.414		ug/L		71	45 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*55*		*33 - 144*
Nitrobenzene-d5 (Surr)	*59*		*28 - 139*
p-Terphenyl-d14 (Surr)	*61*		*23 - 160*

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: LCSD 570-77976/3-A
Matrix: Water
Analysis Batch: 78325

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 77976

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			2.00	1.327		ug/L		66	55 - 121	2	25
Acenaphthylene			2.00	1.414		ug/L		71	33 - 145	3	25
Anthracene			2.00	1.452		ug/L		73	27 - 133	2	25
Benzo[a]anthracene			2.00	1.408		ug/L		70	33 - 143	2	25
Benzo[a]pyrene			2.00	1.309		ug/L		65	17 - 163	13	25
Benzo[b]fluoranthene			2.00	1.371		ug/L		69	24 - 159	6	25
Benzo[g,h,i]perylene			2.00	1.484		ug/L		74	25 - 157	3	25
Benzo[k]fluoranthene			2.00	1.423		ug/L		71	24 - 159	12	25
Chrysene			2.00	1.351		ug/L		68	17 - 168	2	25
Dibenz(a,h)anthracene			2.00	1.525		ug/L		76	25 - 175	3	25
Fluoranthene			2.00	1.393		ug/L		70	26 - 137	3	25
Fluorene			2.00	1.411		ug/L		71	59 - 121	1	25
Indeno[1,2,3-cd]pyrene			2.00	1.482		ug/L		74	25 - 175	2	25
1-Methylnaphthalene			2.00	1.441		ug/L		72	20 - 140	8	25
2-Methylnaphthalene			2.00	1.312		ug/L		66	21 - 140	3	25
Naphthalene			2.00	1.257		ug/L		63	21 - 133	4	25
Phenanthrene			2.00	1.321		ug/L		66	54 - 120	2	25
Pyrene			2.00	1.455		ug/L		73	45 - 129	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*		*33 - 144*
Nitrobenzene-d5 (Surr)	*64*		*28 - 139*
p-Terphenyl-d14 (Surr)	*64*		*23 - 160*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-77919/5
Matrix: Water
Analysis Batch: 77919

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			06/26/20 09:16	1

Lab Sample ID: LCS 570-77919/6
Matrix: Water
Analysis Batch: 77919

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	49.67		mg/L		99	90 - 110		

Lab Sample ID: LCSD 570-77919/7
Matrix: Water
Analysis Batch: 77919

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	48.87		mg/L		98	90 - 110	2	15

QC Sample Results

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

Job ID: 570-31874-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 570-31898-B-5 MS
Matrix: Water
Analysis Batch: 77919

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	210		50.0	253.3	4	mg/L		92	80 - 120		

Lab Sample ID: 570-31898-B-5 MSD
Matrix: Water
Analysis Batch: 77919

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	210		50.0	257.5	4	mg/L		101	80 - 120	2	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-79792/1-A
Matrix: Water
Analysis Batch: 80095

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/07/20 13:35	07/08/20 12:06	1
Barium	ND		0.0100	0.00308	mg/L		07/07/20 13:35	07/08/20 12:06	1
Cadmium	ND		0.0100	0.00210	mg/L		07/07/20 13:35	07/08/20 12:06	1
Chromium	ND		0.0500	0.00688	mg/L		07/07/20 13:35	07/08/20 12:06	1
Lead	ND		0.0500	0.00821	mg/L		07/07/20 13:35	07/08/20 12:06	1
Selenium	ND		0.100	0.0244	mg/L		07/07/20 13:35	07/08/20 12:06	1
Silver	ND		0.0100	0.00298	mg/L		07/07/20 13:35	07/08/20 12:06	1

Lab Sample ID: LCS 570-79792/2-A
Matrix: Water
Analysis Batch: 80095

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4709		mg/L		94	80 - 120
Barium	0.500	0.5240		mg/L		105	80 - 120
Cadmium	0.500	0.4831		mg/L		97	80 - 120
Chromium	0.500	0.4924		mg/L		98	80 - 120
Lead	0.500	0.5081		mg/L		102	80 - 120
Selenium	0.500	0.4593		mg/L		92	80 - 120
Silver	0.250	0.2435		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-79792/3-A
Matrix: Water
Analysis Batch: 80095

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79792

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.500	0.4364		mg/L		87	80 - 120	8	20
Barium	0.500	0.5140		mg/L		103	80 - 120	2	20
Cadmium	0.500	0.4551		mg/L		91	80 - 120	6	20
Chromium	0.500	0.4706		mg/L		94	80 - 120	5	20
Lead	0.500	0.4812		mg/L		96	80 - 120	5	20
Selenium	0.500	0.4526		mg/L		91	80 - 120	1	20
Silver	0.250	0.2440		mg/L		98	80 - 120	0	20

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: 570-32274-I-1-C MS
Matrix: Water
Analysis Batch: 80095

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79792

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5701		mg/L		114	80 - 140
Barium	0.197		0.500	0.7409		mg/L		109	87 - 123
Cadmium	ND		0.500	0.5080		mg/L		102	82 - 124
Chromium	0.00927	J	0.500	0.5250		mg/L		103	86 - 122
Lead	0.0303	J	0.500	0.5584		mg/L		106	84 - 120
Selenium	ND		0.500	0.5627		mg/L		113	79 - 127
Silver	ND	F2 F1	0.250	0.05257	F1	mg/L		21	86 - 128

Lab Sample ID: 570-32274-I-1-D MSD
Matrix: Water
Analysis Batch: 80095

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79792

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5676		mg/L		114	80 - 140	0	11
Barium	0.197		0.500	0.7461		mg/L		110	87 - 123	1	6
Cadmium	ND		0.500	0.5126		mg/L		103	82 - 124	1	7
Chromium	0.00927	J	0.500	0.5263		mg/L		103	86 - 122	0	8
Lead	0.0303	J	0.500	0.5589		mg/L		106	84 - 120	0	7
Selenium	ND		0.500	0.5850		mg/L		117	79 - 127	4	9
Silver	ND	F2 F1	0.250	0.05734	F2 F1	mg/L		23	86 - 128	9	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-79797/1-A
Matrix: Water
Analysis Batch: 79994

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79797

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/07/20 13:45	07/08/20 15:08	1

Lab Sample ID: LCS 570-79797/2-A
Matrix: Water
Analysis Batch: 79994

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79797

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.01016		mg/L		102	80 - 120

Lab Sample ID: LCSD 570-79797/3-A
Matrix: Water
Analysis Batch: 79994

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79797

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.01020		mg/L		102	80 - 120	0	20

Lab Sample ID: 570-31763-G-1-C MS
Matrix: Water
Analysis Batch: 79994

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79797

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.0100	0.009253		mg/L		93	55 - 133

QC Sample Results

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

Job ID: 570-31874-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 570-31763-G-1-D MSD
Matrix: Water
Analysis Batch: 79994

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79797

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.009133		mg/L		91	55 - 133	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-78519/46
Matrix: Water
Analysis Batch: 78519

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			06/29/20 19:56	1

Lab Sample ID: LCS 570-78519/44
Matrix: Water
Analysis Batch: 78519

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	94.69		mg/L		95	80 - 120

Lab Sample ID: LCSD 570-78519/45
Matrix: Water
Analysis Batch: 78519

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	96.61		mg/L		97	80 - 120	2	20

Lab Sample ID: 570-31992-J-1 DU
Matrix: Water
Analysis Batch: 78519

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	221		219.6		mg/L		0.8	25

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

Lab Sample ID: MB 570-78098/1
Matrix: Water
Analysis Batch: 78098

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			06/26/20 19:11	1

Lab Sample ID: LCS 570-78098/2
Matrix: Water
Analysis Batch: 78098

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

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: LCSD 570-78098/3
Matrix: Water
Analysis Batch: 78098

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: 570-31874-1 DU
Matrix: Water
Analysis Batch: 78098

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	595			600.0		mg/L				0.8	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-79623/1
Matrix: Water
Analysis Batch: 79623

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			07/06/20 21:10	1

Lab Sample ID: LCS 570-79623/2
Matrix: Water
Analysis Batch: 79623

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	101.3		mg/L		101	91 - 114		

Lab Sample ID: LCSD 570-79623/3
Matrix: Water
Analysis Batch: 79623

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	100.3		mg/L		100	91 - 114	1	4

Lab Sample ID: 570-31941-F-3 MS
Matrix: Water
Analysis Batch: 79623

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		
Chloride	110		100	211.0		mg/L		101	91 - 115		

Lab Sample ID: 570-31941-F-3 MSD
Matrix: Water
Analysis Batch: 79623

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
Chloride	110		100	212.0		mg/L		102	91 - 115	0	4

QC Sample Results

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

Job ID: 570-31874-1

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

Lab Sample ID: 570-31941-F-1 DU
Matrix: Water
Analysis Batch: 79623

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	2.62			2.618		mg/L				0	25

Marginal Exceedance (ME) Summary

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

Job ID: 570-31874-1

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

Lab Sample ID: LCS 570-77916/3
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	10.0	9.999		ug/L	100	80 - 120	73 - 127	
Toluene	10.0	10.39		ug/L	104	80 - 120	73 - 127	
Ethylbenzene	10.0	11.07		ug/L	111	80 - 120	73 - 127	
o-Xylene	10.0	11.13		ug/L	111	80 - 120	73 - 127	
m,p-Xylene	20.0	22.44		ug/L	112	80 - 120	73 - 127	
Methyl-t-Butyl Ether (MTBE)	10.0	8.270		ug/L	83	75 - 123	67 - 131	
1,1-Dichloroethene	10.0	10.10		ug/L	101	77 - 120	70 - 127	
1,2-Dichlorobenzene	10.0	10.44		ug/L	104	80 - 120	73 - 127	
1,2-Dichloroethane	10.0	11.45		ug/L	114	80 - 122	73 - 127	
Carbon tetrachloride	10.0	9.189		ug/L	92	80 - 129	72 - 137	
Chlorobenzene	10.0	10.59		ug/L	106	80 - 120	73 - 127	
1,2-Dibromoethane	10.0	10.09		ug/L	101	80 - 120	73 - 127	
Hexachloro-1,3-butadiene	10.0	12.36	* me	ug/L	124	80 - 122	73 - 129	ME
Trichloroethene	10.0	10.32		ug/L	103	80 - 120	73 - 127	
Vinyl chloride	10.0	9.406		ug/L	94	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

Job ID: 570-31874-1

GC/MS VOA

Analysis Batch: 77916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	8260B	
570-31874-2	W-39-B4/MW30	Total/NA	Water	8260B	
570-31874-3	W-39-B3/MW29	Total/NA	Water	8260B	
570-31874-4	W-39-B2/MW28	Total/NA	Water	8260B	
570-31874-5	W-40-MW27	Total/NA	Water	8260B	
570-31874-6	W-41-B6/MW32	Total/NA	Water	8260B	
570-31874-7	Trip Blank	Total/NA	Water	8260B	
MB 570-77916/6	Method Blank	Total/NA	Water	8260B	
LCS 570-77916/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-77916/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 77976

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	3510C	
570-31874-2	W-39-B4/MW30	Total/NA	Water	3510C	
570-31874-3	W-39-B3/MW29	Total/NA	Water	3510C	
570-31874-4	W-39-B2/MW28	Total/NA	Water	3510C	
570-31874-5	W-40-MW27	Total/NA	Water	3510C	
570-31874-6	W-41-B6/MW32	Total/NA	Water	3510C	
MB 570-77976/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-77976/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-77976/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 78325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	8270C SIM	77976
570-31874-2	W-39-B4/MW30	Total/NA	Water	8270C SIM	77976
570-31874-3	W-39-B3/MW29	Total/NA	Water	8270C SIM	77976
570-31874-4	W-39-B2/MW28	Total/NA	Water	8270C SIM	77976
570-31874-5	W-40-MW27	Total/NA	Water	8270C SIM	77976
570-31874-6	W-41-B6/MW32	Total/NA	Water	8270C SIM	77976
MB 570-77976/1-A	Method Blank	Total/NA	Water	8270C SIM	77976
LCS 570-77976/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	77976
LCSD 570-77976/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	77976

HPLC/IC

Analysis Batch: 77919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	300.0	
570-31874-2	W-39-B4/MW30	Total/NA	Water	300.0	
570-31874-3	W-39-B3/MW29	Total/NA	Water	300.0	
570-31874-4	W-39-B2/MW28	Total/NA	Water	300.0	
570-31874-5	W-40-MW27	Total/NA	Water	300.0	
570-31874-6	W-41-B6/MW32	Total/NA	Water	300.0	
MB 570-77919/5	Method Blank	Total/NA	Water	300.0	
LCS 570-77919/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-77919/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-31898-B-5 MS	Matrix Spike	Total/NA	Water	300.0	
570-31898-B-5 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

QC Association Summary

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

Job ID: 570-31874-1

Metals

Prep Batch: 79792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	3010A	
570-31874-2	W-39-B4/MW30	Total/NA	Water	3010A	
570-31874-3	W-39-B3/MW29	Total/NA	Water	3010A	
570-31874-4	W-39-B2/MW28	Total/NA	Water	3010A	
570-31874-5	W-40-MW27	Total/NA	Water	3010A	
570-31874-6	W-41-B6/MW32	Total/NA	Water	3010A	
MB 570-79792/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-79792/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-79792/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-32274-I-1-C MS	Matrix Spike	Total/NA	Water	3010A	
570-32274-I-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 79797

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	7470A	
570-31874-2	W-39-B4/MW30	Total/NA	Water	7470A	
570-31874-3	W-39-B3/MW29	Total/NA	Water	7470A	
570-31874-4	W-39-B2/MW28	Total/NA	Water	7470A	
570-31874-5	W-40-MW27	Total/NA	Water	7470A	
570-31874-6	W-41-B6/MW32	Total/NA	Water	7470A	
MB 570-79797/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-79797/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-79797/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-31763-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	
570-31763-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 79994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	7470A	79797
570-31874-2	W-39-B4/MW30	Total/NA	Water	7470A	79797
570-31874-3	W-39-B3/MW29	Total/NA	Water	7470A	79797
570-31874-4	W-39-B2/MW28	Total/NA	Water	7470A	79797
570-31874-5	W-40-MW27	Total/NA	Water	7470A	79797
570-31874-6	W-41-B6/MW32	Total/NA	Water	7470A	79797
MB 570-79797/1-A	Method Blank	Total/NA	Water	7470A	79797
LCS 570-79797/2-A	Lab Control Sample	Total/NA	Water	7470A	79797
LCSD 570-79797/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	79797
570-31763-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	79797
570-31763-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	79797

Analysis Batch: 80095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	6010B	79792
570-31874-2	W-39-B4/MW30	Total/NA	Water	6010B	79792
570-31874-3	W-39-B3/MW29	Total/NA	Water	6010B	79792
570-31874-4	W-39-B2/MW28	Total/NA	Water	6010B	79792
570-31874-5	W-40-MW27	Total/NA	Water	6010B	79792
570-31874-6	W-41-B6/MW32	Total/NA	Water	6010B	79792
MB 570-79792/1-A	Method Blank	Total/NA	Water	6010B	79792
LCS 570-79792/2-A	Lab Control Sample	Total/NA	Water	6010B	79792
LCSD 570-79792/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	79792

QC Association Summary

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

Job ID: 570-31874-1

Metals (Continued)

Analysis Batch: 80095 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-32274-I-1-C MS	Matrix Spike	Total/NA	Water	6010B	79792
570-32274-I-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	79792

General Chemistry

Analysis Batch: 78098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	SM 2540C	
570-31874-2	W-39-B4/MW30	Total/NA	Water	SM 2540C	
570-31874-3	W-39-B3/MW29	Total/NA	Water	SM 2540C	
570-31874-4	W-39-B2/MW28	Total/NA	Water	SM 2540C	
570-31874-5	W-40-MW27	Total/NA	Water	SM 2540C	
570-31874-6	W-41-B6/MW32	Total/NA	Water	SM 2540C	
MB 570-78098/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-78098/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-78098/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-31874-1 DU	W-43-MW19	Total/NA	Water	SM 2540C	

Analysis Batch: 78519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	SM 2320B	
570-31874-2	W-39-B4/MW30	Total/NA	Water	SM 2320B	
570-31874-3	W-39-B3/MW29	Total/NA	Water	SM 2320B	
570-31874-4	W-39-B2/MW28	Total/NA	Water	SM 2320B	
570-31874-5	W-40-MW27	Total/NA	Water	SM 2320B	
570-31874-6	W-41-B6/MW32	Total/NA	Water	SM 2320B	
MB 570-78519/46	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-78519/44	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-78519/45	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-31992-J-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 79623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31874-1	W-43-MW19	Total/NA	Water	SM 4500 Cl- C	
570-31874-2	W-39-B4/MW30	Total/NA	Water	SM 4500 Cl- C	
570-31874-3	W-39-B3/MW29	Total/NA	Water	SM 4500 Cl- C	
570-31874-4	W-39-B2/MW28	Total/NA	Water	SM 4500 Cl- C	
570-31874-5	W-40-MW27	Total/NA	Water	SM 4500 Cl- C	
570-31874-6	W-41-B6/MW32	Total/NA	Water	SM 4500 Cl- C	
MB 570-79623/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-79623/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-79623/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-31941-F-3 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-31941-F-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-31941-F-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

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

Job ID: 570-31874-1

Client Sample ID: W-43-MW19

Date Collected: 06/24/20 09:15
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-1

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	77916	06/26/20 13:11	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1050.1 mL	2 mL	77976	06/26/20 10:06	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			78325	06/29/20 17:42	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77919	06/26/20 11:56	P6WT	ECL 1
	Instrument ID: IC10									
Total/NA	Prep	3010A			50 mL	50 mL	79792	07/07/20 13:35	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80095	07/08/20 12:54	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79797	07/07/20 13:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			79994	07/08/20 15:29	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 20:39	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78098	06/26/20 19:11	UAPD	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-39-B4/MW30

Date Collected: 06/24/20 10:33
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-2

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	77916	06/26/20 13:40	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1053.1 mL	2 mL	77976	06/26/20 10:06	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			78325	06/29/20 18:02	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77919	06/26/20 12:15	P6WT	ECL 1
	Instrument ID: IC10									
Total/NA	Prep	3010A			50 mL	50 mL	79792	07/07/20 13:35	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80095	07/08/20 12:56	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79797	07/07/20 13:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			79994	07/08/20 15:36	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 20:46	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78098	06/26/20 19:11	UAPD	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

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

Job ID: 570-31874-1

Client Sample ID: W-39-B3/MW29

Date Collected: 06/24/20 12:13
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-3

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	77916	06/26/20 14:09	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1053.8 mL	2 mL	77976	06/26/20 10:06	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			78325	06/29/20 18:22	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77919	06/26/20 12:34	P6WT	ECL 1
	Instrument ID: IC10									
Total/NA	Prep	3010A			50 mL	50 mL	79792	07/07/20 13:35	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80095	07/08/20 12:58	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79797	07/07/20 13:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			79994	07/08/20 15:38	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 20:52	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78098	06/26/20 19:11	UAPD	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-39-B2/MW28

Date Collected: 06/24/20 12:45
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-4

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	77916	06/26/20 14:38	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1054.1 mL	2 mL	77976	06/26/20 10:06	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			78325	06/29/20 18:41	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77919	06/26/20 12:53	P6WT	ECL 1
	Instrument ID: IC10									
Total/NA	Prep	3010A			50 mL	50 mL	79792	07/07/20 13:35	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80095	07/08/20 13:08	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79797	07/07/20 13:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			79994	07/08/20 15:40	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 20:59	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78098	06/26/20 19:11	UAPD	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

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

Job ID: 570-31874-1

Client Sample ID: W-40-MW27

Date Collected: 06/24/20 14:35
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-5

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	77916	06/26/20 15:07	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1044.8 mL	2 mL	77976	06/26/20 10:06	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			78325	06/29/20 19:01	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77919	06/26/20 13:12	P6WT	ECL 1
	Instrument ID: IC10									
Total/NA	Prep	3010A			50 mL	50 mL	79792	07/07/20 13:35	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80095	07/08/20 13:11	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79797	07/07/20 13:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			79994	07/08/20 15:42	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 21:15	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78098	06/26/20 19:11	UAPD	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-41-B6/MW32

Date Collected: 06/24/20 15:18
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-6

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	77916	06/26/20 15:36	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1054.8 mL	2 mL	77976	06/26/20 10:06	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			78325	06/29/20 19:20	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77919	06/26/20 13:30	P6WT	ECL 1
	Instrument ID: IC10									
Total/NA	Prep	3010A			50 mL	50 mL	79792	07/07/20 13:35	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80095	07/08/20 13:13	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79797	07/07/20 13:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			79994	07/08/20 15:45	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 21:21	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78098	06/26/20 19:11	UAPD	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

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

Job ID: 570-31874-1

Client Sample ID: Trip Blank

Date Collected: 06/24/20 00:00
Date Received: 06/25/20 09:45

Lab Sample ID: 570-31874-7

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	77916	06/26/20 11:15	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: 570-31874-1
Project/Site: ExxonMobil Gladiola Station

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
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

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

Job ID: 570-31874-1

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	Mercury (CVAA)	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

Sample Summary

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

Job ID: 570-31874-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-31874-1	W-43-MW19	Water	06/24/20 09:15	06/25/20 09:45	
570-31874-2	W-39-B4/MW30	Water	06/24/20 10:33	06/25/20 09:45	
570-31874-3	W-39-B3/MW29	Water	06/24/20 12:13	06/25/20 09:45	
570-31874-4	W-39-B2/MW28	Water	06/24/20 12:45	06/25/20 09:45	
570-31874-5	W-40-MW27	Water	06/24/20 14:35	06/25/20 09:45	
570-31874-6	W-41-B6/MW32	Water	06/24/20 15:18	06/25/20 09:45	
570-31874-7	Trip Blank	Water	06/24/20 00:00	06/25/20 09:45	

31874

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

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

CHAIN OF CUSTODY RECORD

DATE: 6-24-20
PAGE: 1 OF 1

ExxonMobil Engr: Maria Madden

LABORATORY CLIENT: Cardno
ADDRESS: 20505 Crescent Bay Drive
CITY: Lake Forest, CA 92630
TEL: 805 644-4157 FAX: 805 644-5610 james.anderson@cardno.com

GLOBAL ID # / COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Clint Calzia / Mark Luck

P.O.
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.
EMES Sub Agreement # A2604415

REQUESTED ANALYSIS

570-31874 Chain of Custody

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only (TC# 6401)	EPA 8270C SIM PAHs (TC# 4741)	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag only (TC# 2516)	EPA 7470A Mercury (TC# 5096)	EPA 300.0 Sulfate (TC# 5431)	SM 2320B Alkalinity (TC# 5512) and SM 4500-Cl C Chloride (TC# 755)	SM 2540C Total Dissolved Solids (TC# 4942)	CONTAINER TYPE
1	W-43-MW19	MW 19	6-24-20	0915	W	10	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-34-B4/MW30	B4/MW30	6-24-20	1033	W	10	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	6-24-20	1213	W	10	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	6-24-20	1245	W	10	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-MW27	MW 27	6-24-20	1435	W	10	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-41-B6/MW32	B6/MW32	6-24-20	1516	W	10	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	10	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	10	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
	Trip Blank				W	~~3~~ 4	X							3 vials with HCL

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 6/25/2020 0945
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

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

2.9/2.5, 2.6/2.2 SCC

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-31874-1

Login Number: 31874
List Number: 1
Creator: Cortez Diaz, Antonio

List Source: Eurofins Calscience

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.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 570-31941-1
Client Project/Site: ExxonMobil Gladiola Station

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

Attn: Dave Purdy

Authorized for release by:
7/10/2020 6:00:32 PM

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

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

Laboratory Job ID: 570-31941-1

Table of Contents

Sample Summary

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

Job ID: 570-31941-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-31941-1	W-41-MW17	Water	06/25/20 09:38	06/26/20 09:45	
570-31941-2	W-43-MW22	Water	06/25/20 09:05	06/26/20 09:45	
570-31941-3	W-43-MW11	Water	06/25/20 11:00	06/26/20 09:45	
570-31941-4	W-40-BS/MW31	Water	06/25/20 11:54	06/26/20 09:45	
570-31941-5	Trip Blank	Water	06/25/20 00:00	06/26/20 09:45	

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-31941-1
Project/Site: ExxonMobil Gladiola Station

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
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
B	Compound was found in the blank and sample.
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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
CFU	Colony Forming Unit
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)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
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)
TNTC	Too Numerous To Count

Case Narrative

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

Job ID: 570-31941-1

Job ID: 570-31941-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-31941-1

Comments
No additional comments.

Receipt
The samples were received on 6/26/2020 9:45 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.4º C.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-78207.

Method 8260B: The method blank for analytical batch 570-78207 contained Dibromochloromethane and Chloroform above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

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

GC/MS Semi VOA
Method 8270C SIM: The method blank for preparation batch 570-78877 and analytical batch 570-79094 contained Fluoranthene and Pyrene above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

No additional analytical or quality issues were noted, other than those described above or 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 570-78877.

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

Job ID: 570-31941-1

Client Sample ID: W-41-MW17 — Lab Sample ID: 570-31941-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	140		10	1.4	ug/L	20		8260B	Total/NA
o-Xylene	4.9	J	10	1.7	ug/L	20		8260B	Total/NA
m,p-Xylene	130		20	3.0	ug/L	20		8260B	Total/NA
Xylenes, Total	130		20	10	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	110		10	1.4	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	12		10	1.6	ug/L	20		8260B	Total/NA
Chloroform	3.1	J B	10	1.2	ug/L	20		8260B	Total/NA
Isopropylbenzene	66		10	1.5	ug/L	20		8260B	Total/NA
Naphthalene	98		20	1.9	ug/L	20		8260B	Total/NA
n-Butylbenzene	5.2	J	10	2.2	ug/L	20		8260B	Total/NA
N-Propylbenzene	69		10	1.5	ug/L	20		8260B	Total/NA
p-Isopropyltoluene	1.5	J	10	1.5	ug/L	20		8260B	Total/NA
sec-Butylbenzene	8.8	J	10	1.9	ug/L	20		8260B	Total/NA
Styrene	8.3	J	10	1.2	ug/L	20		8260B	Total/NA
Ethylbenzene - DL	910		20	3.5	ug/L	40		8260B	Total/NA
Acenaphthene	0.21		0.19	0.013	ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.12	J	0.19	0.010	ug/L	1		8270C SIM	Total/NA
Anthracene	0.036	J	0.19	0.014	ug/L	1		8270C SIM	Total/NA
Benzo[a]anthracene	0.085	J	0.19	0.012	ug/L	1		8270C SIM	Total/NA
Benzo[a]pyrene	0.088	J	0.19	0.017	ug/L	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	0.10	J	0.19	0.021	ug/L	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	0.15	J	0.19	0.020	ug/L	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	0.11	J	0.19	0.0099	ug/L	1		8270C SIM	Total/NA
Chrysene	0.088	J	0.19	0.021	ug/L	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	0.15	J	0.19	0.017	ug/L	1		8270C SIM	Total/NA
Fluorene	1.4		0.19	0.012	ug/L	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.14	J	0.19	0.021	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	33		1.9	0.099	ug/L	10		8270C SIM	Total/NA
2-Methylnaphthalene	35		1.9	0.13	ug/L	10		8270C SIM	Total/NA
Naphthalene	68		1.9	0.13	ug/L	10		8270C SIM	Total/NA
Phenanthrene	0.83		0.19	0.0048	ug/L	1		8270C SIM	Total/NA
Pyrene	0.026	J B	0.19	0.012	ug/L	1		8270C SIM	Total/NA
Barium	9.45		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0148	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	859		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	855		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	2.62		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-43-MW22 — Lab Sample ID: 570-31941-2

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	0.0204		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0162	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	266		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	580		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	28.8		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-43-MW11 — Lab Sample ID: 570-31941-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.11	J	0.50	0.072	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW11 (Continued) — Lab Sample ID: 570-31941-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.099	J	0.50	0.087	ug/L	1		8260B	Total/NA
o-Xylene	0.098	J	0.50	0.086	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.14	J	0.50	0.077	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.21	J	0.50	0.082	ug/L	1		8260B	Total/NA
Benzo[a]pyrene	0.12	J	0.19	0.018	ug/L	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	0.10	J	0.19	0.021	ug/L	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	0.23		0.19	0.020	ug/L	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	0.11	J	0.19	0.010	ug/L	1		8270C SIM	Total/NA
Dibenz(a,h)anthracene	0.21		0.19	0.017	ug/L	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	0.22		0.19	0.021	ug/L	1		8270C SIM	Total/NA
Naphthalene	0.023	J	0.19	0.013	ug/L	1		8270C SIM	Total/NA
Sulfate	100		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.0373		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0172	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	455		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	835		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	110		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-40-BS/MW31 — Lab Sample ID: 570-31941-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	0.28	J	0.50	0.087	ug/L	1		8260B	Total/NA
m,p-Xylene	0.19	J	1.0	0.15	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.74		0.50	0.068	ug/L	1		8260B	Total/NA
1,3,5-Trimethylbenzene	0.12	J	0.50	0.079	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.14	J	0.50	0.077	ug/L	1		8260B	Total/NA
N-Propylbenzene	0.090	J	0.50	0.076	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.080	J	0.50	0.074	ug/L	1		8260B	Total/NA
sec-Butylbenzene	0.29	J	0.50	0.095	ug/L	1		8260B	Total/NA
Sulfate	110		10	4.9	mg/L	10		300.0	Total/NA
Barium	0.135		0.0100	0.00308	mg/L	1		6010B	Total/NA
Lead	0.0206	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	325		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	740		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	81.1		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-31941-5

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

Job ID: 570-31941-1

Client Sample ID: W-41-MW17
Date Collected: 06/25/20 09:38
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**140**		10	1.4	ug/L			06/27/20 21:03	20
Toluene	ND		10	1.9	ug/L			06/27/20 21:03	20
o-Xylene	**4.9**	**J**	10	1.7	ug/L			06/27/20 21:03	20
m,p-Xylene	**130**		20	3.0	ug/L			06/27/20 21:03	20
Xylenes, Total	**130**		20	10	ug/L			06/27/20 21:03	20
Methyl-t-Butyl Ether (MTBE)	ND		10	1.3	ug/L			06/27/20 21:03	20
1,1,1,2-Tetrachloroethane	ND		10	1.4	ug/L			06/27/20 21:03	20
1,1,1-Trichloroethane	ND		10	1.7	ug/L			06/27/20 21:03	20
1,1,2,2-Tetrachloroethane	ND		10	1.7	ug/L			06/27/20 21:03	20
1,1,2-Trichloroethane	ND		10	1.4	ug/L			06/27/20 21:03	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	2.5	ug/L			06/27/20 21:03	20
1,1-Dichloroethane	ND		10	1.2	ug/L			06/27/20 21:03	20
1,1-Dichloroethene	ND		10	2.1	ug/L			06/27/20 21:03	20
1,1-Dichloropropene	ND		10	1.4	ug/L			06/27/20 21:03	20
1,2,3-Trichlorobenzene	ND		10	2.4	ug/L			06/27/20 21:03	20
1,2,3-Trichloropropane	ND		20	1.5	ug/L			06/27/20 21:03	20
1,2,4-Trichlorobenzene	ND		10	1.8	ug/L			06/27/20 21:03	20
1,2,4-Trimethylbenzene	**110**		10	1.4	ug/L			06/27/20 21:03	20
1,3,5-Trimethylbenzene	**12**		10	1.6	ug/L			06/27/20 21:03	20
c-1,2-Dichloroethene	ND		10	2.2	ug/L			06/27/20 21:03	20
1,2-Dibromo-3-Chloropropane	ND		100	10	ug/L			06/27/20 21:03	20
1,2-Dichlorobenzene	ND		10	1.6	ug/L			06/27/20 21:03	20
1,2-Dichloroethane	ND		10	1.5	ug/L			06/27/20 21:03	20
1,2-Dichloropropane	ND		10	2.0	ug/L			06/27/20 21:03	20
t-1,2-Dichloroethene	ND		10	1.6	ug/L			06/27/20 21:03	20
c-1,3-Dichloropropene	ND		10	1.9	ug/L			06/27/20 21:03	20
1,3-Dichlorobenzene	ND		10	2.0	ug/L			06/27/20 21:03	20
1,3-Dichloropropane	ND		20	1.6	ug/L			06/27/20 21:03	20
t-1,3-Dichloropropene	ND		10	1.1	ug/L			06/27/20 21:03	20
1,4-Dichlorobenzene	ND		10	1.5	ug/L			06/27/20 21:03	20
2,2-Dichloropropane	ND		20	7.5	ug/L			06/27/20 21:03	20
2-Chlorotoluene	ND		10	1.2	ug/L			06/27/20 21:03	20
4-Chlorotoluene	ND		10	1.8	ug/L			06/27/20 21:03	20
4-Methyl-2-pentanone	ND		100	8.3	ug/L			06/27/20 21:03	20
Acetone	ND		200	80	ug/L			06/27/20 21:03	20
Bromobenzene	ND		10	1.2	ug/L			06/27/20 21:03	20
Bromochloromethane	ND		20	1.6	ug/L			06/27/20 21:03	20
Bromoform	ND		10	1.9	ug/L			06/27/20 21:03	20
Bromomethane	ND		40	20	ug/L			06/27/20 21:03	20
Carbon disulfide	ND		200	7.7	ug/L			06/27/20 21:03	20
Carbon tetrachloride	ND		10	1.1	ug/L			06/27/20 21:03	20
Chlorobenzene	ND		10	1.8	ug/L			06/27/20 21:03	20
Dibromochloromethane	ND		10	1.3	ug/L			06/27/20 21:03	20
Chloroethane	ND		10	2.3	ug/L			06/27/20 21:03	20
Chloroform	**3.1**	**J B**	10	1.2	ug/L			06/27/20 21:03	20
Chloromethane	ND		100	39	ug/L			06/27/20 21:03	20
Dibromomethane	ND		10	2.5	ug/L			06/27/20 21:03	20
Bromodichloromethane	ND		10	1.1	ug/L			06/27/20 21:03	20
Dichlorodifluoromethane	ND		20	2.0	ug/L			06/27/20 21:03	20

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-41-MW17

Date Collected: 06/25/20 09:38
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		10	1.2	ug/L			06/27/20 21:03	20
Hexachloro-1,3-butadiene	ND		40	12	ug/L			06/27/20 21:03	20
Isopropylbenzene	**66**		10	1.5	ug/L			06/27/20 21:03	20
2-Butanone	ND		100	9.2	ug/L			06/27/20 21:03	20
Methylene Chloride	ND		20	0.85	ug/L			06/27/20 21:03	20
2-Hexanone	ND		200	10	ug/L			06/27/20 21:03	20
Naphthalene	**98**		20	1.9	ug/L			06/27/20 21:03	20
n-Butylbenzene	**5.2**	**J**	10	2.2	ug/L			06/27/20 21:03	20
N-Propylbenzene	**69**		10	1.5	ug/L			06/27/20 21:03	20
p-Isopropyltoluene	**1.5**	**J**	10	1.5	ug/L			06/27/20 21:03	20
sec-Butylbenzene	**8.8**	**J**	10	1.9	ug/L			06/27/20 21:03	20
Styrene	**8.3**	**J**	10	1.2	ug/L			06/27/20 21:03	20
tert-Butylbenzene	ND		10	1.6	ug/L			06/27/20 21:03	20
Tetrachloroethene	ND		10	4.8	ug/L			06/27/20 21:03	20
Trichloroethene	ND		10	2.0	ug/L			06/27/20 21:03	20
Trichlorofluoromethane	ND		10	2.1	ug/L			06/27/20 21:03	20
Vinyl chloride	ND		10	1.6	ug/L			06/27/20 21:03	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 128*		*06/27/20 21:03*	*20*
4-Bromofluorobenzene (Surr)	*100*		*68 - 120*		*06/27/20 21:03*	*20*
Dibromofluoromethane (Surr)	*99*		*80 - 127*		*06/27/20 21:03*	*20*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/27/20 21:03*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**910**		20	3.5	ug/L			06/27/20 22:45	40

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*80 - 128*		*06/27/20 22:45*	*40*
4-Bromofluorobenzene (Surr)	*98*		*68 - 120*		*06/27/20 22:45*	*40*
Dibromofluoromethane (Surr)	*97*		*80 - 127*		*06/27/20 22:45*	*40*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/27/20 22:45*	*40*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.21**		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 12:50	1
Acenaphthylene	**0.12**	**J**	0.19	0.010	ug/L		07/01/20 13:05	07/02/20 12:50	1
Anthracene	**0.036**	**J**	0.19	0.014	ug/L		07/01/20 13:05	07/02/20 12:50	1
Benzo[a]anthracene	**0.085**	**J**	0.19	0.012	ug/L		07/01/20 13:05	07/02/20 12:50	1
Benzo[a]pyrene	**0.088**	**J**	0.19	0.017	ug/L		07/01/20 13:05	07/02/20 12:50	1
Benzo[b]fluoranthene	**0.10**	**J**	0.19	0.021	ug/L		07/01/20 13:05	07/02/20 12:50	1
Benzo[g,h,i]perylene	**0.15**	**J**	0.19	0.020	ug/L		07/01/20 13:05	07/02/20 12:50	1
Benzo[k]fluoranthene	**0.11**	**J**	0.19	0.0099	ug/L		07/01/20 13:05	07/02/20 12:50	1
Chrysene	**0.088**	**J**	0.19	0.021	ug/L		07/01/20 13:05	07/02/20 12:50	1
Dibenz(a,h)anthracene	**0.15**	**J**	0.19	0.017	ug/L		07/01/20 13:05	07/02/20 12:50	1
Fluoranthene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 12:50	1
Fluorene	**1.4**		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 12:50	1
Indeno[1,2,3-cd]pyrene	**0.14**	**J**	0.19	0.021	ug/L		07/01/20 13:05	07/02/20 12:50	1
1-Methylnaphthalene	**33**		1.9	0.099	ug/L		07/01/20 13:05	07/02/20 21:37	10

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-41-MW17

Date Collected: 06/25/20 09:38
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	35		1.9	0.13	ug/L		07/01/20 13:05	07/02/20 21:37	10
Naphthalene	68		1.9	0.13	ug/L		07/01/20 13:05	07/02/20 21:37	10
Phenanthrene	0.83		0.19	0.0048	ug/L		07/01/20 13:05	07/02/20 12:50	1
Pyrene	0.026	J B	0.19	0.012	ug/L		07/01/20 13:05	07/02/20 12:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*33 - 144*	*07/01/20 13:05*	*07/02/20 12:50*	*1*
2-Fluorobiphenyl (Surr)	*60*		*33 - 144*	*07/01/20 13:05*	*07/02/20 21:37*	*10*
Nitrobenzene-d5 (Surr)	*79*		*28 - 139*	*07/01/20 13:05*	*07/02/20 12:50*	*1*
Nitrobenzene-d5 (Surr)	*52*		*28 - 139*	*07/01/20 13:05*	*07/02/20 21:37*	*10*
p-Terphenyl-d14 (Surr)	*75*		*23 - 160*	*07/01/20 13:05*	*07/02/20 12:50*	*1*
p-Terphenyl-d14 (Surr)	*71*		*23 - 160*	*07/01/20 13:05*	*07/02/20 21:37*	*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			06/26/20 18:33	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/08/20 17:10	07/09/20 11:14	1
Barium	9.45		0.0100	0.00308	mg/L		07/08/20 17:10	07/09/20 11:14	1
Cadmium	ND		0.0100	0.00210	mg/L		07/08/20 17:10	07/09/20 11:14	1
Chromium	ND		0.0500	0.00688	mg/L		07/08/20 17:10	07/09/20 11:14	1
Lead	0.0148	J	0.0500	0.00821	mg/L		07/08/20 17:10	07/09/20 11:14	1
Selenium	ND		0.100	0.0244	mg/L		07/08/20 17:10	07/09/20 11:14	1
Silver	ND		0.0100	0.00298	mg/L		07/08/20 17:10	07/09/20 11:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/08/20 10:00	07/10/20 12:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	859		5.00	1.69	mg/L			06/29/20 21:47	1
Total Dissolved Solids	855		1.00	0.870	mg/L			06/30/20 12:19	1
Chloride	2.62		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample ID: W-43-MW22

Date Collected: 06/25/20 09:05
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/27/20 21:32	1
Toluene	ND		0.50	0.093	ug/L			06/27/20 21:32	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/27/20 21:32	1
o-Xylene	ND		0.50	0.086	ug/L			06/27/20 21:32	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/27/20 21:32	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/27/20 21:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/27/20 21:32	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/27/20 21:32	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW22

Date Collected: 06/25/20 09:05
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/27/20 21:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/27/20 21:32	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/27/20 21:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/27/20 21:32	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/27/20 21:32	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/27/20 21:32	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/27/20 21:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/27/20 21:32	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/27/20 21:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/27/20 21:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/27/20 21:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/27/20 21:32	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/27/20 21:32	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/27/20 21:32	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/27/20 21:32	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/27/20 21:32	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/27/20 21:32	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/27/20 21:32	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/27/20 21:32	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/27/20 21:32	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/27/20 21:32	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/27/20 21:32	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/27/20 21:32	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/27/20 21:32	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/27/20 21:32	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/27/20 21:32	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/27/20 21:32	1
Acetone	ND		10	4.0	ug/L			06/27/20 21:32	1
Bromobenzene	ND		0.50	0.061	ug/L			06/27/20 21:32	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/27/20 21:32	1
Bromoform	ND		0.50	0.096	ug/L			06/27/20 21:32	1
Bromomethane	ND		2.0	0.99	ug/L			06/27/20 21:32	1
Carbon disulfide	ND		10	0.39	ug/L			06/27/20 21:32	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/27/20 21:32	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/27/20 21:32	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/27/20 21:32	1
Chloroethane	ND		0.50	0.12	ug/L			06/27/20 21:32	1
Chloroform	ND		0.50	0.062	ug/L			06/27/20 21:32	1
Chloromethane	ND		5.0	2.0	ug/L			06/27/20 21:32	1
Dibromomethane	ND		0.50	0.13	ug/L			06/27/20 21:32	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/27/20 21:32	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/27/20 21:32	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/27/20 21:32	1
Hexachloro-1,3-butadiene	ND		2.0	0.59	ug/L			06/27/20 21:32	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/27/20 21:32	1
2-Butanone	ND		5.0	0.46	ug/L			06/27/20 21:32	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/27/20 21:32	1
2-Hexanone	ND		10	0.50	ug/L			06/27/20 21:32	1
Naphthalene	ND		1.0	0.097	ug/L			06/27/20 21:32	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW22

Date Collected: 06/25/20 09:05
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	ND		0.50	0.11	ug/L			06/27/20 21:32	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/27/20 21:32	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/27/20 21:32	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/27/20 21:32	1
Styrene	ND		0.50	0.059	ug/L			06/27/20 21:32	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/27/20 21:32	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/27/20 21:32	1
Trichloroethene	ND		0.50	0.10	ug/L			06/27/20 21:32	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/27/20 21:32	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/27/20 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 128*		*06/27/20 21:32*	*1*
4-Bromofluorobenzene (Surr)	*95*		*68 - 120*		*06/27/20 21:32*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 127*		*06/27/20 21:32*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/20 21:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:10	1
Acenaphthylene	ND		0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:10	1
Anthracene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 13:10	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:10	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		07/01/20 13:05	07/02/20 13:10	1
Benzo[b]fluoranthene	ND		0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:10	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		07/01/20 13:05	07/02/20 13:10	1
Benzo[k]fluoranthene	ND		0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:10	1
Chrysene	ND		0.19	0.022	ug/L		07/01/20 13:05	07/02/20 13:10	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		07/01/20 13:05	07/02/20 13:10	1
Fluoranthene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 13:10	1
Fluorene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:10	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:10	1
1-Methylnaphthalene	ND		0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:10	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:10	1
Naphthalene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:10	1
Phenanthrene	ND		0.19	0.0049	ug/L		07/01/20 13:05	07/02/20 13:10	1
Pyrene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*62*		*33 - 144*	*07/01/20 13:05*	*07/02/20 13:10*	*1*
Nitrobenzene-d5 (Surr)	*66*		*28 - 139*	*07/01/20 13:05*	*07/02/20 13:10*	*1*
p-Terphenyl-d14 (Surr)	*76*		*23 - 160*	*07/01/20 13:05*	*07/02/20 13:10*	*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			06/26/20 18:52	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/08/20 17:10	07/09/20 11:20	1
Barium	**0.0204**		0.0100	0.00308	mg/L		07/08/20 17:10	07/09/20 11:20	1

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Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW22

Date Collected: 06/25/20 09:05
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		0.0100	0.00210	mg/L		07/08/20 17:10	07/09/20 11:20	1
Chromium	ND		0.0500	0.00688	mg/L		07/08/20 17:10	07/09/20 11:20	1
Lead	**0.0162**	**J**	0.0500	0.00821	mg/L		07/08/20 17:10	07/09/20 11:20	1
Selenium	ND		0.100	0.0244	mg/L		07/08/20 17:10	07/09/20 11:20	1
Silver	ND		0.0100	0.00298	mg/L		07/08/20 17:10	07/09/20 11:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/08/20 10:00	07/10/20 12:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**266**		5.00	1.69	mg/L			06/29/20 21:54	1
Total Dissolved Solids	**580**		1.00	0.870	mg/L			06/30/20 12:19	1
Chloride	**28.8**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample ID: W-43-MW11

Date Collected: 06/25/20 11:00
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.11**	**J**	0.50	0.072	ug/L			06/27/20 22:01	1
Toluene	ND		0.50	0.093	ug/L			06/27/20 22:01	1
Ethylbenzene	**0.099**	**J**	0.50	0.087	ug/L			06/27/20 22:01	1
o-Xylene	**0.098**	**J**	0.50	0.086	ug/L			06/27/20 22:01	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/27/20 22:01	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/27/20 22:01	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/27/20 22:01	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/27/20 22:01	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/27/20 22:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/27/20 22:01	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/27/20 22:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/27/20 22:01	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/27/20 22:01	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/27/20 22:01	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/27/20 22:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/27/20 22:01	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/27/20 22:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/27/20 22:01	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/27/20 22:01	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/27/20 22:01	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/27/20 22:01	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/27/20 22:01	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/27/20 22:01	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/27/20 22:01	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/27/20 22:01	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/27/20 22:01	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/27/20 22:01	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/27/20 22:01	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW11

Date Collected: 06/25/20 11:00
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/27/20 22:01	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/27/20 22:01	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/27/20 22:01	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/27/20 22:01	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/27/20 22:01	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/27/20 22:01	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/27/20 22:01	1
Acetone	ND		10	4.0	ug/L			06/27/20 22:01	1
Bromobenzene	ND		0.50	0.061	ug/L			06/27/20 22:01	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/27/20 22:01	1
Bromoform	ND		0.50	0.096	ug/L			06/27/20 22:01	1
Bromomethane	ND		2.0	0.99	ug/L			06/27/20 22:01	1
Carbon disulfide	ND		10	0.39	ug/L			06/27/20 22:01	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/27/20 22:01	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/27/20 22:01	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/27/20 22:01	1
Chloroethane	ND		0.50	0.12	ug/L			06/27/20 22:01	1
Chloroform	ND		0.50	0.062	ug/L			06/27/20 22:01	1
Chloromethane	ND		5.0	2.0	ug/L			06/27/20 22:01	1
Dibromomethane	ND		0.50	0.13	ug/L			06/27/20 22:01	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/27/20 22:01	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/27/20 22:01	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/27/20 22:01	1
Hexachloro-1,3-butadiene	ND		2.0	0.59	ug/L			06/27/20 22:01	1
Isopropylbenzene	**0.14**	**J**	0.50	0.077	ug/L			06/27/20 22:01	1
2-Butanone	ND		5.0	0.46	ug/L			06/27/20 22:01	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/27/20 22:01	1
2-Hexanone	ND		10	0.50	ug/L			06/27/20 22:01	1
Naphthalene	ND		1.0	0.097	ug/L			06/27/20 22:01	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/27/20 22:01	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/27/20 22:01	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/27/20 22:01	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/27/20 22:01	1
Styrene	ND		0.50	0.059	ug/L			06/27/20 22:01	1
tert-Butylbenzene	**0.21**	**J**	0.50	0.082	ug/L			06/27/20 22:01	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/27/20 22:01	1
Trichloroethene	ND		0.50	0.10	ug/L			06/27/20 22:01	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/27/20 22:01	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/27/20 22:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 128*		*06/27/20 22:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*68 - 120*		*06/27/20 22:01*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 127*		*06/27/20 22:01*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/27/20 22:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:29	1
Acenaphthylene	ND		0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:29	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW11

Date Collected: 06/25/20 11:00
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 13:29	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:29	1
Benzo[a]pyrene	**0.12**	**J**	0.19	0.018	ug/L		07/01/20 13:05	07/02/20 13:29	1
Benzo[b]fluoranthene	**0.10**	**J**	0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:29	1
Benzo[g,h,i]perylene	**0.23**		0.19	0.020	ug/L		07/01/20 13:05	07/02/20 13:29	1
Benzo[k]fluoranthene	**0.11**	**J**	0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:29	1
Chrysene	ND		0.19	0.022	ug/L		07/01/20 13:05	07/02/20 13:29	1
Dibenz(a,h)anthracene	**0.21**		0.19	0.017	ug/L		07/01/20 13:05	07/02/20 13:29	1
Fluoranthene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 13:29	1
Fluorene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:29	1
Indeno[1,2,3-cd]pyrene	**0.22**		0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:29	1
1-Methylnaphthalene	ND		0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:29	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:29	1
Naphthalene	**0.023**	**J**	0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:29	1
Phenanthrene	ND		0.19	0.0048	ug/L		07/01/20 13:05	07/02/20 13:29	1
Pyrene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*33 - 144*	*07/01/20 13:05*	*07/02/20 13:29*	*1*
Nitrobenzene-d5 (Surr)	*58*		*28 - 139*	*07/01/20 13:05*	*07/02/20 13:29*	*1*
p-Terphenyl-d14 (Surr)	*72*		*23 - 160*	*07/01/20 13:05*	*07/02/20 13:29*	*1*

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**100**		10	4.9	mg/L			06/26/20 19:11	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/08/20 17:10	07/09/20 11:23	1
Barium	**0.0373**		0.0100	0.00308	mg/L		07/08/20 17:10	07/09/20 11:23	1
Cadmium	ND		0.0100	0.00210	mg/L		07/08/20 17:10	07/09/20 11:23	1
Chromium	ND		0.0500	0.00688	mg/L		07/08/20 17:10	07/09/20 11:23	1
Lead	**0.0172**	**J**	0.0500	0.00821	mg/L		07/08/20 17:10	07/09/20 11:23	1
Selenium	ND		0.100	0.0244	mg/L		07/08/20 17:10	07/09/20 11:23	1
Silver	ND		0.0100	0.00298	mg/L		07/08/20 17:10	07/09/20 11:23	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/08/20 10:00	07/10/20 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**455**		5.00	1.69	mg/L			06/29/20 22:00	1
Total Dissolved Solids	**835**		1.00	0.870	mg/L			06/30/20 12:19	1
Chloride	**110**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-40-BS/MW31

Date Collected: 06/25/20 11:54
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/27/20 20:35	1
Toluene	ND		0.50	0.093	ug/L			06/27/20 20:35	1
Ethylbenzene	**0.28**	**J**	0.50	0.087	ug/L			06/27/20 20:35	1
o-Xylene	ND		0.50	0.086	ug/L			06/27/20 20:35	1
m,p-Xylene	**0.19**	**J**	1.0	0.15	ug/L			06/27/20 20:35	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/27/20 20:35	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/27/20 20:35	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/27/20 20:35	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/27/20 20:35	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/27/20 20:35	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/27/20 20:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/27/20 20:35	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/27/20 20:35	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/27/20 20:35	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/27/20 20:35	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/27/20 20:35	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/27/20 20:35	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/27/20 20:35	1
1,2,4-Trimethylbenzene	**0.74**		0.50	0.068	ug/L			06/27/20 20:35	1
1,3,5-Trimethylbenzene	**0.12**	**J**	0.50	0.079	ug/L			06/27/20 20:35	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/27/20 20:35	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/27/20 20:35	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/27/20 20:35	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/27/20 20:35	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/27/20 20:35	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/27/20 20:35	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/27/20 20:35	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/27/20 20:35	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/27/20 20:35	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/27/20 20:35	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/27/20 20:35	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/27/20 20:35	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/27/20 20:35	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/27/20 20:35	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/27/20 20:35	1
Acetone	ND		10	4.0	ug/L			06/27/20 20:35	1
Bromobenzene	ND		0.50	0.061	ug/L			06/27/20 20:35	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/27/20 20:35	1
Bromoform	ND		0.50	0.096	ug/L			06/27/20 20:35	1
Bromomethane	ND		2.0	0.99	ug/L			06/27/20 20:35	1
Carbon disulfide	ND		10	0.39	ug/L			06/27/20 20:35	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/27/20 20:35	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/27/20 20:35	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/27/20 20:35	1
Chloroethane	ND		0.50	0.12	ug/L			06/27/20 20:35	1
Chloroform	ND		0.50	0.062	ug/L			06/27/20 20:35	1
Chloromethane	ND		5.0	2.0	ug/L			06/27/20 20:35	1
Dibromomethane	ND		0.50	0.13	ug/L			06/27/20 20:35	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/27/20 20:35	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-40-BS/MW31

Date Collected: 06/25/20 11:54
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/27/20 20:35	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/27/20 20:35	1
Hexachloro-1,3-butadiene	ND		2.0	0.59	ug/L			06/27/20 20:35	1
Isopropylbenzene	**0.14**	**J**	0.50	0.077	ug/L			06/27/20 20:35	1
2-Butanone	ND		5.0	0.46	ug/L			06/27/20 20:35	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/27/20 20:35	1
2-Hexanone	ND		10	0.50	ug/L			06/27/20 20:35	1
Naphthalene	ND		1.0	0.097	ug/L			06/27/20 20:35	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/27/20 20:35	1
N-Propylbenzene	**0.090**	**J**	0.50	0.076	ug/L			06/27/20 20:35	1
p-Isopropyltoluene	**0.080**	**J**	0.50	0.074	ug/L			06/27/20 20:35	1
sec-Butylbenzene	**0.29**	**J**	0.50	0.095	ug/L			06/27/20 20:35	1
Styrene	ND		0.50	0.059	ug/L			06/27/20 20:35	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/27/20 20:35	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/27/20 20:35	1
Trichloroethene	ND		0.50	0.10	ug/L			06/27/20 20:35	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/27/20 20:35	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/27/20 20:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 128*		*06/27/20 20:35*	*1*
4-Bromofluorobenzene (Surr)	*99*		*68 - 120*		*06/27/20 20:35*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 127*		*06/27/20 20:35*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/20 20:35*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:49	1
Acenaphthylene	ND		0.19	0.010	ug/L		07/01/20 13:05	07/02/20 13:49	1
Anthracene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 13:49	1
Benzo[a]anthracene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:49	1
Benzo[a]pyrene	ND		0.19	0.018	ug/L		07/01/20 13:05	07/02/20 13:49	1
Benzo[b]fluoranthene	ND		0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:49	1
Benzo[g,h,i]perylene	ND		0.19	0.020	ug/L		07/01/20 13:05	07/02/20 13:49	1
Benzo[k]fluoranthene	ND		0.19	0.0099	ug/L		07/01/20 13:05	07/02/20 13:49	1
Chrysene	ND		0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:49	1
Dibenz(a,h)anthracene	ND		0.19	0.017	ug/L		07/01/20 13:05	07/02/20 13:49	1
Fluoranthene	ND		0.19	0.014	ug/L		07/01/20 13:05	07/02/20 13:49	1
Fluorene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:49	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.021	ug/L		07/01/20 13:05	07/02/20 13:49	1
1-Methylnaphthalene	ND		0.19	0.0099	ug/L		07/01/20 13:05	07/02/20 13:49	1
2-Methylnaphthalene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:49	1
Naphthalene	ND		0.19	0.013	ug/L		07/01/20 13:05	07/02/20 13:49	1
Phenanthrene	ND		0.19	0.0048	ug/L		07/01/20 13:05	07/02/20 13:49	1
Pyrene	ND		0.19	0.012	ug/L		07/01/20 13:05	07/02/20 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*33 - 144*	*07/01/20 13:05*	*07/02/20 13:49*	*1*
Nitrobenzene-d5 (Surr)	*52*		*28 - 139*	*07/01/20 13:05*	*07/02/20 13:49*	*1*
p-Terphenyl-d14 (Surr)	*64*		*23 - 160*	*07/01/20 13:05*	*07/02/20 13:49*	*1*

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Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: W-40-BS/MW31

Lab Sample ID: 570-31941-4
Matrix: Water
Date Collected: 06/25/20 11:54
Date Received: 06/26/20 09:45

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**110**		10	4.9	mg/L			06/26/20 19:30	10

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/08/20 17:10	07/09/20 11:25	1
Barium	**0.135**		0.0100	0.00308	mg/L		07/08/20 17:10	07/09/20 11:25	1
Cadmium	ND		0.0100	0.00210	mg/L		07/08/20 17:10	07/09/20 11:25	1
Chromium	ND		0.0500	0.00688	mg/L		07/08/20 17:10	07/09/20 11:25	1
Lead	**0.0206**	**J**	0.0500	0.00821	mg/L		07/08/20 17:10	07/09/20 11:25	1
Selenium	ND		0.100	0.0244	mg/L		07/08/20 17:10	07/09/20 11:25	1
Silver	ND		0.0100	0.00298	mg/L		07/08/20 17:10	07/09/20 11:25	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/08/20 10:00	07/10/20 12:29	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			06/29/20 22:07	1
Total Dissolved Solids	**740**		1.00	0.870	mg/L			06/30/20 12:19	1
Chloride	**81.1**		2.00	0.594	mg/L			07/06/20 21:10	1

Client Sample ID: Trip Blank

Lab Sample ID: 570-31941-5
Matrix: Water
Date Collected: 06/25/20 00:00
Date Received: 06/26/20 09:45

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/27/20 18:02	1
Toluene	ND		0.50	0.093	ug/L			06/27/20 18:02	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/27/20 18:02	1
o-Xylene	ND		0.50	0.086	ug/L			06/27/20 18:02	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/27/20 18:02	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/27/20 18:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/27/20 18:02	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/27/20 18:02	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/27/20 18:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/27/20 18:02	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/27/20 18:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/27/20 18:02	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/27/20 18:02	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/27/20 18:02	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/27/20 18:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/27/20 18:02	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/27/20 18:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/27/20 18:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/27/20 18:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/27/20 18:02	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/27/20 18:02	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/27/20 18:02	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/27/20 18:02	1

Client Sample Results

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

Job ID: 570-31941-1

Client Sample ID: Trip Blank

Date Collected: 06/25/20 00:00
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-5

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		0.50	0.075	ug/L			06/27/20 18:02	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/27/20 18:02	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/27/20 18:02	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/27/20 18:02	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/27/20 18:02	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/27/20 18:02	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/27/20 18:02	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/27/20 18:02	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/27/20 18:02	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/27/20 18:02	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/27/20 18:02	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/27/20 18:02	1
Acetone	ND		10	4.0	ug/L			06/27/20 18:02	1
Bromobenzene	ND		0.50	0.061	ug/L			06/27/20 18:02	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/27/20 18:02	1
Bromoform	ND		0.50	0.096	ug/L			06/27/20 18:02	1
Bromomethane	ND		2.0	0.99	ug/L			06/27/20 18:02	1
Carbon disulfide	ND		10	0.39	ug/L			06/27/20 18:02	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/27/20 18:02	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/27/20 18:02	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/27/20 18:02	1
Chloroethane	ND		0.50	0.12	ug/L			06/27/20 18:02	1
Chloroform	ND		0.50	0.062	ug/L			06/27/20 18:02	1
Chloromethane	ND		5.0	2.0	ug/L			06/27/20 18:02	1
Dibromomethane	ND		0.50	0.13	ug/L			06/27/20 18:02	1
Bromodichloromethane	ND		0.50	0.053	ug/L			06/27/20 18:02	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/27/20 18:02	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/27/20 18:02	1
Hexachloro-1,3-butadiene	ND		2.0	0.59	ug/L			06/27/20 18:02	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/27/20 18:02	1
2-Butanone	ND		5.0	0.46	ug/L			06/27/20 18:02	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/27/20 18:02	1
2-Hexanone	ND		10	0.50	ug/L			06/27/20 18:02	1
Naphthalene	ND		1.0	0.097	ug/L			06/27/20 18:02	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/27/20 18:02	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/27/20 18:02	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/27/20 18:02	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/27/20 18:02	1
Styrene	ND		0.50	0.059	ug/L			06/27/20 18:02	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/27/20 18:02	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/27/20 18:02	1
Trichloroethene	ND		0.50	0.10	ug/L			06/27/20 18:02	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/27/20 18:02	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/27/20 18:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*80 - 128*		*06/27/20 18:02*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 120*		*06/27/20 18:02*	*1*
Dibromofluoromethane (Surr)	*95*		*80 - 127*		*06/27/20 18:02*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/27/20 18:02*	*1*

Eurofins Calscience LLC

Surrogate Summary

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

Job ID: 570-31941-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-31941-1	W-41-MW17	100	100	99	102
570-31941-1 - DL	W-41-MW17	93	98	97	100
570-31941-2	W-43-MW22	101	95	96	99
570-31941-3	W-43-MW11	103	96	98	100
570-31941-4	W-40-BS/MW31	102	99	98	99
570-31941-5	Trip Blank	101	98	95	100
LCS 570-78207/3	Lab Control Sample	100	100	100	101
LCSD 570-78207/4	Lab Control Sample Dup	99	100	100	101
MB 570-78207/6	Method Blank	102	98	99	99

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)		
Lab Sample ID	Client Sample ID	FBP (33-144)	NBZ (28-139)	TPHd14 (23-160)
570-31941-1	W-41-MW17	60	52	71
570-31941-1	W-41-MW17	62	79	75
570-31941-2	W-43-MW22	62	66	76
570-31941-3	W-43-MW11	59	58	72
570-31941-4	W-40-BS/MW31	48	52	64
LCS 570-78877/2-A	Lab Control Sample	67	75	79
LCSD 570-78877/3-A	Lab Control Sample Dup	61	69	74
MB 570-78877/1-A	Method Blank	61	71	75

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

Job ID: 570-31941-1

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

Lab Sample ID: MB 570-78207/6
Matrix: Water
Analysis Batch: 78207

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.072	ug/L			06/27/20 17:34	1
Toluene	ND		0.50	0.093	ug/L			06/27/20 17:34	1
Ethylbenzene	ND		0.50	0.087	ug/L			06/27/20 17:34	1
o-Xylene	ND		0.50	0.086	ug/L			06/27/20 17:34	1
m,p-Xylene	ND		1.0	0.15	ug/L			06/27/20 17:34	1
Xylenes, Total	ND		1.0	0.52	ug/L			06/27/20 17:34	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.067	ug/L			06/27/20 17:34	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.070	ug/L			06/27/20 17:34	1
1,1,1-Trichloroethane	ND		0.50	0.084	ug/L			06/27/20 17:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.087	ug/L			06/27/20 17:34	1
1,1,2-Trichloroethane	ND		0.50	0.069	ug/L			06/27/20 17:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.13	ug/L			06/27/20 17:34	1
1,1-Dichloroethane	ND		0.50	0.060	ug/L			06/27/20 17:34	1
1,1-Dichloroethene	ND		0.50	0.10	ug/L			06/27/20 17:34	1
1,1-Dichloropropene	ND		0.50	0.070	ug/L			06/27/20 17:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.12	ug/L			06/27/20 17:34	1
1,2,3-Trichloropropane	ND		1.0	0.076	ug/L			06/27/20 17:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.089	ug/L			06/27/20 17:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.068	ug/L			06/27/20 17:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.079	ug/L			06/27/20 17:34	1
c-1,2-Dichloroethene	ND		0.50	0.11	ug/L			06/27/20 17:34	1
1,2-Dibromo-3-Chloropropane	ND		5.0	0.51	ug/L			06/27/20 17:34	1
1,2-Dichlorobenzene	ND		0.50	0.082	ug/L			06/27/20 17:34	1
1,2-Dichloroethane	ND		0.50	0.075	ug/L			06/27/20 17:34	1
1,2-Dichloropropane	ND		0.50	0.099	ug/L			06/27/20 17:34	1
t-1,2-Dichloroethene	ND		0.50	0.082	ug/L			06/27/20 17:34	1
c-1,3-Dichloropropene	ND		0.50	0.096	ug/L			06/27/20 17:34	1
1,3-Dichlorobenzene	ND		0.50	0.098	ug/L			06/27/20 17:34	1
1,3-Dichloropropane	ND		1.0	0.082	ug/L			06/27/20 17:34	1
t-1,3-Dichloropropene	ND		0.50	0.053	ug/L			06/27/20 17:34	1
1,4-Dichlorobenzene	ND		0.50	0.073	ug/L			06/27/20 17:34	1
2,2-Dichloropropane	ND		1.0	0.38	ug/L			06/27/20 17:34	1
2-Chlorotoluene	ND		0.50	0.058	ug/L			06/27/20 17:34	1
4-Chlorotoluene	ND		0.50	0.091	ug/L			06/27/20 17:34	1
4-Methyl-2-pentanone	ND		5.0	0.42	ug/L			06/27/20 17:34	1
Acetone	ND		10	4.0	ug/L			06/27/20 17:34	1
Bromobenzene	ND		0.50	0.061	ug/L			06/27/20 17:34	1
Bromochloromethane	ND		1.0	0.082	ug/L			06/27/20 17:34	1
Bromoform	ND		0.50	0.096	ug/L			06/27/20 17:34	1
Bromomethane	ND		2.0	0.99	ug/L			06/27/20 17:34	1
Carbon disulfide	ND		10	0.39	ug/L			06/27/20 17:34	1
Carbon tetrachloride	ND		0.50	0.057	ug/L			06/27/20 17:34	1
Chlorobenzene	ND		0.50	0.088	ug/L			06/27/20 17:34	1
Dibromochloromethane	ND		0.50	0.064	ug/L			06/27/20 17:34	1
Chloroethane	ND		0.50	0.12	ug/L			06/27/20 17:34	1
Chloroform	0.1641	J	0.50	0.062	ug/L			06/27/20 17:34	1
Chloromethane	ND		5.0	2.0	ug/L			06/27/20 17:34	1
Dibromomethane	ND		0.50	0.13	ug/L			06/27/20 17:34	1

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: MB 570-78207/6
Matrix: Water
Analysis Batch: 78207

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.08827	J	0.50	0.053	ug/L			06/27/20 17:34	1
Dichlorodifluoromethane	ND		1.0	0.099	ug/L			06/27/20 17:34	1
1,2-Dibromoethane	ND		0.50	0.059	ug/L			06/27/20 17:34	1
Hexachloro-1,3-butadiene	ND		2.0	0.59	ug/L			06/27/20 17:34	1
Isopropylbenzene	ND		0.50	0.077	ug/L			06/27/20 17:34	1
2-Butanone	ND		5.0	0.46	ug/L			06/27/20 17:34	1
Methylene Chloride	ND		1.0	0.043	ug/L			06/27/20 17:34	1
2-Hexanone	ND		10	0.50	ug/L			06/27/20 17:34	1
Naphthalene	ND		1.0	0.097	ug/L			06/27/20 17:34	1
n-Butylbenzene	ND		0.50	0.11	ug/L			06/27/20 17:34	1
N-Propylbenzene	ND		0.50	0.076	ug/L			06/27/20 17:34	1
p-Isopropyltoluene	ND		0.50	0.074	ug/L			06/27/20 17:34	1
sec-Butylbenzene	ND		0.50	0.095	ug/L			06/27/20 17:34	1
Styrene	ND		0.50	0.059	ug/L			06/27/20 17:34	1
tert-Butylbenzene	ND		0.50	0.082	ug/L			06/27/20 17:34	1
Tetrachloroethene	ND		0.50	0.24	ug/L			06/27/20 17:34	1
Trichloroethene	ND		0.50	0.10	ug/L			06/27/20 17:34	1
Trichlorofluoromethane	ND		0.50	0.10	ug/L			06/27/20 17:34	1
Vinyl chloride	ND		0.50	0.078	ug/L			06/27/20 17:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 128*		*06/27/20 17:34*	*1*
4-Bromofluorobenzene (Surr)	*98*		*68 - 120*		*06/27/20 17:34*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 127*		*06/27/20 17:34*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/27/20 17:34*	*1*

Lab Sample ID: LCS 570-78207/3
Matrix: Water
Analysis Batch: 78207

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.14		ug/L		101	80 - 120
Toluene	10.0	9.892		ug/L		99	80 - 120
Ethylbenzene	10.0	10.29		ug/L		103	80 - 120
o-Xylene	10.0	10.54		ug/L		105	80 - 120
m,p-Xylene	20.0	20.62		ug/L		103	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.985		ug/L		90	75 - 123
1,1-Dichloroethene	10.0	11.83		ug/L		118	77 - 120
1,2-Dichlorobenzene	10.0	10.04		ug/L		100	80 - 120
1,2-Dichloroethane	10.0	10.17		ug/L		102	80 - 122
Carbon tetrachloride	10.0	10.89		ug/L		109	80 - 129
Chlorobenzene	10.0	10.15		ug/L		102	80 - 120
1,2-Dibromoethane	10.0	10.15		ug/L		101	80 - 120
Hexachloro-1,3-butadiene	10.0	10.46		ug/L		105	80 - 122
Trichloroethene	10.0	9.684		ug/L		97	80 - 120
Vinyl chloride	10.0	8.669		ug/L		87	63 - 135

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: LCS 570-78207/3
Matrix: Water
Analysis Batch: 78207

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*100*		*80 - 128*
4-Bromofluorobenzene (Surr)	*100*		*68 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 127*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-78207/4
Matrix: Water
Analysis Batch: 78207

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
Benzene			10.0	10.44		ug/L		104	80 - 120	3	22
Toluene			10.0	10.22		ug/L		102	80 - 120	3	28
Ethylbenzene			10.0	10.64		ug/L		106	80 - 120	3	25
o-Xylene			10.0	10.96		ug/L		110	80 - 120	4	30
m,p-Xylene			20.0	21.69		ug/L		108	80 - 120	5	30
Methyl-t-Butyl Ether (MTBE)			10.0	8.812		ug/L		88	75 - 123	2	27
1,1-Dichloroethene			10.0	10.87		ug/L		109	77 - 120	8	26
1,2-Dichlorobenzene			10.0	10.42		ug/L		104	80 - 120	4	30
1,2-Dichloroethane			10.0	10.02		ug/L		100	80 - 122	1	23
Carbon tetrachloride			10.0	11.09		ug/L		111	80 - 129	2	36
Chlorobenzene			10.0	10.31		ug/L		103	80 - 120	2	29
1,2-Dibromoethane			10.0	10.01		ug/L		100	80 - 120	1	32
Hexachloro-1,3-butadiene			10.0	11.04		ug/L		110	80 - 122	5	30
Trichloroethene			10.0	9.949		ug/L		99	80 - 120	3	25
Vinyl chloride			10.0	9.287		ug/L		93	63 - 135	7	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*80 - 128*
4-Bromofluorobenzene (Surr)	*100*		*68 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 127*
Toluene-d8 (Surr)	*101*		*80 - 120*

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

Lab Sample ID: MB 570-78877/1-A
Matrix: Water
Analysis Batch: 79094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.013	ug/L		07/01/20 13:05	07/02/20 10:53	1
Acenaphthylene	ND		0.20	0.011	ug/L		07/01/20 13:05	07/02/20 10:53	1
Anthracene	ND		0.20	0.015	ug/L		07/01/20 13:05	07/02/20 10:53	1
Benzo[a]anthracene	ND		0.20	0.013	ug/L		07/01/20 13:05	07/02/20 10:53	1
Benzo[a]pyrene	ND		0.20	0.019	ug/L		07/01/20 13:05	07/02/20 10:53	1
Benzo[b]fluoranthene	ND		0.20	0.023	ug/L		07/01/20 13:05	07/02/20 10:53	1
Benzo[g,h,i]perylene	ND		0.20	0.021	ug/L		07/01/20 13:05	07/02/20 10:53	1
Benzo[k]fluoranthene	ND		0.20	0.011	ug/L		07/01/20 13:05	07/02/20 10:53	1
Chrysene	ND		0.20	0.023	ug/L		07/01/20 13:05	07/02/20 10:53	1

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: MB 570-78877/1-A
Matrix: Water
Analysis Batch: 79094

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 78877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.018	ug/L		07/01/20 13:05	07/02/20 10:53	1
Fluoranthene	0.02120	J	0.20	0.015	ug/L		07/01/20 13:05	07/02/20 10:53	1
Fluorene	ND		0.20	0.013	ug/L		07/01/20 13:05	07/02/20 10:53	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.022	ug/L		07/01/20 13:05	07/02/20 10:53	1
1-Methylnaphthalene	ND		0.20	0.011	ug/L		07/01/20 13:05	07/02/20 10:53	1
2-Methylnaphthalene	ND		0.20	0.013	ug/L		07/01/20 13:05	07/02/20 10:53	1
Naphthalene	ND		0.20	0.014	ug/L		07/01/20 13:05	07/02/20 10:53	1
Phenanthrene	ND		0.20	0.0051	ug/L		07/01/20 13:05	07/02/20 10:53	1
Pyrene	0.02311	J	0.20	0.012	ug/L		07/01/20 13:05	07/02/20 10:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*33 - 144*	*07/01/20 13:05*	*07/02/20 10:53*	*1*
Nitrobenzene-d5 (Surr)	*71*		*28 - 139*	*07/01/20 13:05*	*07/02/20 10:53*	*1*
p-Terphenyl-d14 (Surr)	*75*		*23 - 160*	*07/01/20 13:05*	*07/02/20 10:53*	*1*

Lab Sample ID: LCS 570-78877/2-A
Matrix: Water
Analysis Batch: 79094

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 78877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.555		ug/L		78	55 - 121
Acenaphthylene	2.00	1.707		ug/L		85	33 - 145
Anthracene	2.00	1.634		ug/L		82	27 - 133
Benzo[a]anthracene	2.00	1.614		ug/L		81	33 - 143
Benzo[a]pyrene	2.00	1.472		ug/L		74	17 - 163
Benzo[b]fluoranthene	2.00	1.568		ug/L		78	24 - 159
Benzo[g,h,i]perylene	2.00	1.695		ug/L		85	25 - 157
Benzo[k]fluoranthene	2.00	1.582		ug/L		79	24 - 159
Chrysene	2.00	1.486		ug/L		74	17 - 168
Dibenz(a,h)anthracene	2.00	1.735		ug/L		87	25 - 175
Fluoranthene	2.00	1.630		ug/L		82	26 - 137
Fluorene	2.00	1.706		ug/L		85	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.703		ug/L		85	25 - 175
1-Methylnaphthalene	2.00	1.653		ug/L		83	20 - 140
2-Methylnaphthalene	2.00	1.598		ug/L		80	21 - 140
Naphthalene	2.00	1.477		ug/L		74	21 - 133
Phenanthrene	2.00	1.516		ug/L		76	54 - 120
Pyrene	2.00	1.656		ug/L		83	45 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*67*		*33 - 144*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*
p-Terphenyl-d14 (Surr)	*79*		*23 - 160*

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: LCSD 570-78877/3-A
Matrix: Water
Analysis Batch: 79094

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 78877

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			2.00	1.454		ug/L		73	55 - 121	7	25
Acenaphthylene			2.00	1.600		ug/L		80	33 - 145	6	25
Anthracene			2.00	1.544		ug/L		77	27 - 133	6	25
Benzo[a]anthracene			2.00	1.506		ug/L		75	33 - 143	7	25
Benzo[a]pyrene			2.00	1.403		ug/L		70	17 - 163	5	25
Benzo[b]fluoranthene			2.00	1.509		ug/L		75	24 - 159	4	25
Benzo[g,h,i]perylene			2.00	1.605		ug/L		80	25 - 157	5	25
Benzo[k]fluoranthene			2.00	1.449		ug/L		72	24 - 159	9	25
Chrysene			2.00	1.411		ug/L		71	17 - 168	5	25
Dibenz(a,h)anthracene			2.00	1.619		ug/L		81	25 - 175	7	25
Fluoranthene			2.00	1.540		ug/L		77	26 - 137	6	25
Fluorene			2.00	1.586		ug/L		79	59 - 121	7	25
Indeno[1,2,3-cd]pyrene			2.00	1.587		ug/L		79	25 - 175	7	25
1-Methylnaphthalene			2.00	1.544		ug/L		77	20 - 140	7	25
2-Methylnaphthalene			2.00	1.490		ug/L		74	21 - 140	7	25
Naphthalene			2.00	1.393		ug/L		70	21 - 133	6	25
Phenanthrene			2.00	1.429		ug/L		71	54 - 120	6	25
Pyrene			2.00	1.543		ug/L		77	45 - 129	7	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*61*		*33 - 144*
Nitrobenzene-d5 (Surr)	*69*		*28 - 139*
p-Terphenyl-d14 (Surr)	*74*		*23 - 160*

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 570-77930/5
Matrix: Water
Analysis Batch: 77930

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			06/26/20 09:16	1

Lab Sample ID: LCS 570-77930/6
Matrix: Water
Analysis Batch: 77930

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	49.27		mg/L		99	90 - 110		

Lab Sample ID: LCSD 570-77930/7
Matrix: Water
Analysis Batch: 77930

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	49.30		mg/L		99	90 - 110	0	15

QC Sample Results

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

Job ID: 570-31941-1

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 570-31907-F-1 MS
Matrix: Water
Analysis Batch: 77930

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	16		50.0	69.55		mg/L		108	80 - 120

Lab Sample ID: 570-31907-F-1 MSD
Matrix: Water
Analysis Batch: 77930

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	16		50.0	70.28		mg/L		109	80 - 120	1	20

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-80199/1-A
Matrix: Water
Analysis Batch: 80282

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 80199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		07/08/20 17:10	07/09/20 11:05	1
Barium	ND		0.0100	0.00308	mg/L		07/08/20 17:10	07/09/20 11:05	1
Cadmium	ND		0.0100	0.00210	mg/L		07/08/20 17:10	07/09/20 11:05	1
Chromium	ND		0.0500	0.00688	mg/L		07/08/20 17:10	07/09/20 11:05	1
Lead	ND		0.0500	0.00821	mg/L		07/08/20 17:10	07/09/20 11:05	1
Selenium	ND		0.100	0.0244	mg/L		07/08/20 17:10	07/09/20 11:05	1
Silver	ND		0.0100	0.00298	mg/L		07/08/20 17:10	07/09/20 11:05	1

Lab Sample ID: LCS 570-80199/2-A
Matrix: Water
Analysis Batch: 80282

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 80199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4157		mg/L		83	80 - 120
Barium	0.500	0.4613		mg/L		92	80 - 120
Cadmium	0.500	0.4043		mg/L		81	80 - 120
Chromium	0.500	0.4306		mg/L		86	80 - 120
Lead	0.500	0.4288		mg/L		86	80 - 120
Selenium	0.500	0.4082		mg/L		82	80 - 120
Silver	0.250	0.2403		mg/L		96	80 - 120

Lab Sample ID: LCSD 570-80199/3-A
Matrix: Water
Analysis Batch: 80282

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 80199

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.500	0.4005		mg/L		80	80 - 120	4	20
Barium	0.500	0.4638		mg/L		93	80 - 120	1	20
Cadmium	0.500	0.4087		mg/L		82	80 - 120	1	20
Chromium	0.500	0.4340		mg/L		87	80 - 120	1	20
Lead	0.500	0.4279		mg/L		86	80 - 120	0	20
Selenium	0.500	0.4202		mg/L		84	80 - 120	3	20
Silver	0.250	0.2402		mg/L		96	80 - 120	0	20

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: 570-31941-1 MS
Matrix: Water
Analysis Batch: 80282

Client Sample ID: W-41-MW17
Prep Type: Total/NA
Prep Batch: 80199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.4929		mg/L		99	80 - 140
Barium	9.45		0.500	9.972	4	mg/L		105	87 - 123
Cadmium	ND		0.500	0.4801		mg/L		96	82 - 124
Chromium	ND		0.500	0.5076		mg/L		102	86 - 122
Lead	0.0148	J	0.500	0.4930		mg/L		96	84 - 120
Selenium	ND		0.500	0.5467		mg/L		109	79 - 127
Silver	ND		0.250	0.2166		mg/L		87	86 - 128

Lab Sample ID: 570-31941-1 MSD
Matrix: Water
Analysis Batch: 80282

Client Sample ID: W-41-MW17
Prep Type: Total/NA
Prep Batch: 80199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5227		mg/L		105	80 - 140	6	11
Barium	9.45		0.500	9.939	4	mg/L		99	87 - 123	0	6
Cadmium	ND		0.500	0.4848		mg/L		97	82 - 124	1	7
Chromium	ND		0.500	0.5045		mg/L		101	86 - 122	1	8
Lead	0.0148	J	0.500	0.4989		mg/L		97	84 - 120	1	7
Selenium	ND		0.500	0.5406		mg/L		108	79 - 127	1	9
Silver	ND		0.250	0.2194		mg/L		88	86 - 128	1	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-79978/1-A
Matrix: Water
Analysis Batch: 79995

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 79978

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		07/08/20 10:00	07/08/20 19:27	1

Lab Sample ID: LCS 570-79978/2-A
Matrix: Water
Analysis Batch: 79995

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 79978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.009014		mg/L		90	80 - 120

Lab Sample ID: LCSD 570-79978/3-A
Matrix: Water
Analysis Batch: 79995

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 79978

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.009043		mg/L		90	80 - 120	0	20

Lab Sample ID: 570-31877-G-1-C MS
Matrix: Water
Analysis Batch: 79995

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 79978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.0100	0.008825		mg/L		88	55 - 133

QC Sample Results

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

Job ID: 570-31941-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 570-31877-G-1-D MSD
Matrix: Water
Analysis Batch: 79995

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 79978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.008934		mg/L		89	55 - 133	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-78519/46
Matrix: Water
Analysis Batch: 78519

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			06/29/20 19:56	1

Lab Sample ID: LCS 570-78519/44
Matrix: Water
Analysis Batch: 78519

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	94.69		mg/L		95	80 - 120

Lab Sample ID: LCSD 570-78519/45
Matrix: Water
Analysis Batch: 78519

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	96.61		mg/L		97	80 - 120	2	20

Lab Sample ID: 570-31862-I-1 DU
Matrix: Water
Analysis Batch: 78519

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	148		147.7		mg/L		0	25

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

Lab Sample ID: MB 570-78576/1
Matrix: Water
Analysis Batch: 78576

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			06/30/20 12:19	1

Lab Sample ID: LCS 570-78576/2
Matrix: Water
Analysis Batch: 78576

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

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: LCSD 570-78576/3
Matrix: Water
Analysis Batch: 78576

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	10	10

Lab Sample ID: 570-31960-D-3 DU
Matrix: Water
Analysis Batch: 78576

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	1440			1455		mg/L				1	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-79623/1
Matrix: Water
Analysis Batch: 79623

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			07/06/20 21:10	1

Lab Sample ID: LCS 570-79623/2
Matrix: Water
Analysis Batch: 79623

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	101.3		mg/L		101	91 - 114		

Lab Sample ID: LCSD 570-79623/3
Matrix: Water
Analysis Batch: 79623

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	100.3		mg/L		100	91 - 114	1	4

Lab Sample ID: 570-31941-3 MS
Matrix: Water
Analysis Batch: 79623

Client Sample ID: W-43-MW11
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	110		100	211.0		mg/L		101	91 - 115		

Lab Sample ID: 570-31941-3 MSD
Matrix: Water
Analysis Batch: 79623

Client Sample ID: W-43-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	110		100	212.0		mg/L		102	91 - 115	0	4

QC Sample Results

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

Job ID: 570-31941-1

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

Lab Sample ID: 570-31941-1 DU
Matrix: Water
Analysis Batch: 79623

Client Sample ID: W-41-MW17
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	2.62			2.618		mg/L				0	25

QC Association Summary

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

Job ID: 570-31941-1

GC/MS VOA

Analysis Batch: 78207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	8260B	
570-31941-1 - DL	W-41-MW17	Total/NA	Water	8260B	
570-31941-2	W-43-MW22	Total/NA	Water	8260B	
570-31941-3	W-43-MW11	Total/NA	Water	8260B	
570-31941-4	W-40-BS/MW31	Total/NA	Water	8260B	
570-31941-5	Trip Blank	Total/NA	Water	8260B	
MB 570-78207/6	Method Blank	Total/NA	Water	8260B	
LCS 570-78207/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-78207/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 78877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	3510C	
570-31941-2	W-43-MW22	Total/NA	Water	3510C	
570-31941-3	W-43-MW11	Total/NA	Water	3510C	
570-31941-4	W-40-BS/MW31	Total/NA	Water	3510C	
MB 570-78877/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-78877/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-78877/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 79094

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	8270C SIM	78877
570-31941-1	W-41-MW17	Total/NA	Water	8270C SIM	78877
570-31941-2	W-43-MW22	Total/NA	Water	8270C SIM	78877
570-31941-3	W-43-MW11	Total/NA	Water	8270C SIM	78877
570-31941-4	W-40-BS/MW31	Total/NA	Water	8270C SIM	78877
MB 570-78877/1-A	Method Blank	Total/NA	Water	8270C SIM	78877
LCS 570-78877/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	78877
LCSD 570-78877/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	78877

HPLC/IC

Analysis Batch: 77930

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	300.0	
570-31941-2	W-43-MW22	Total/NA	Water	300.0	
570-31941-3	W-43-MW11	Total/NA	Water	300.0	
570-31941-4	W-40-BS/MW31	Total/NA	Water	300.0	
MB 570-77930/5	Method Blank	Total/NA	Water	300.0	
LCS 570-77930/6	Lab Control Sample	Total/NA	Water	300.0	
LCSD 570-77930/7	Lab Control Sample Dup	Total/NA	Water	300.0	
570-31907-F-1 MS	Matrix Spike	Total/NA	Water	300.0	
570-31907-F-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0	

Metals

Prep Batch: 79978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	7470A	

QC Association Summary

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

Job ID: 570-31941-1

Metals (Continued)

Prep Batch: 79978 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-2	W-43-MW22	Total/NA	Water	7470A	
570-31941-3	W-43-MW11	Total/NA	Water	7470A	
570-31941-4	W-40-BS/MW31	Total/NA	Water	7470A	
MB 570-79978/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-79978/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-79978/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-31877-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	
570-31877-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 79995

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-79978/1-A	Method Blank	Total/NA	Water	7470A	79978
LCS 570-79978/2-A	Lab Control Sample	Total/NA	Water	7470A	79978
LCSD 570-79978/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	79978
570-31877-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	79978
570-31877-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	79978

Prep Batch: 80199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	3010A	
570-31941-2	W-43-MW22	Total/NA	Water	3010A	
570-31941-3	W-43-MW11	Total/NA	Water	3010A	
570-31941-4	W-40-BS/MW31	Total/NA	Water	3010A	
MB 570-80199/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-80199/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-80199/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-31941-1 MS	W-41-MW17	Total/NA	Water	3010A	
570-31941-1 MSD	W-41-MW17	Total/NA	Water	3010A	

Analysis Batch: 80282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	6010B	80199
570-31941-2	W-43-MW22	Total/NA	Water	6010B	80199
570-31941-3	W-43-MW11	Total/NA	Water	6010B	80199
570-31941-4	W-40-BS/MW31	Total/NA	Water	6010B	80199
MB 570-80199/1-A	Method Blank	Total/NA	Water	6010B	80199
LCS 570-80199/2-A	Lab Control Sample	Total/NA	Water	6010B	80199
LCSD 570-80199/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	80199
570-31941-1 MS	W-41-MW17	Total/NA	Water	6010B	80199
570-31941-1 MSD	W-41-MW17	Total/NA	Water	6010B	80199

Analysis Batch: 80524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	7470A	79978
570-31941-2	W-43-MW22	Total/NA	Water	7470A	79978
570-31941-3	W-43-MW11	Total/NA	Water	7470A	79978
570-31941-4	W-40-BS/MW31	Total/NA	Water	7470A	79978

QC Association Summary

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

Job ID: 570-31941-1

General Chemistry

Analysis Batch: 78519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	SM 2320B	
570-31941-2	W-43-MW22	Total/NA	Water	SM 2320B	
570-31941-3	W-43-MW11	Total/NA	Water	SM 2320B	
570-31941-4	W-40-BS/MW31	Total/NA	Water	SM 2320B	
MB 570-78519/46	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-78519/44	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-78519/45	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-31862-I-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 78576

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	SM 2540C	
570-31941-2	W-43-MW22	Total/NA	Water	SM 2540C	
570-31941-3	W-43-MW11	Total/NA	Water	SM 2540C	
570-31941-4	W-40-BS/MW31	Total/NA	Water	SM 2540C	
MB 570-78576/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-78576/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-78576/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-31960-D-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 79623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-31941-1	W-41-MW17	Total/NA	Water	SM 4500 Cl- C	
570-31941-2	W-43-MW22	Total/NA	Water	SM 4500 Cl- C	
570-31941-3	W-43-MW11	Total/NA	Water	SM 4500 Cl- C	
570-31941-4	W-40-BS/MW31	Total/NA	Water	SM 4500 Cl- C	
MB 570-79623/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-79623/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-79623/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-31941-3 MS	W-43-MW11	Total/NA	Water	SM 4500 Cl- C	
570-31941-3 MSD	W-43-MW11	Total/NA	Water	SM 4500 Cl- C	
570-31941-1 DU	W-41-MW17	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

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

Job ID: 570-31941-1

Client Sample ID: W-41-MW17

Date Collected: 06/25/20 09:38
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-1

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		20	20 mL	20 mL	78207	06/27/20 21:03	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B	DL	40	20 mL	20 mL	78207	06/27/20 22:45	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1057.7 mL	2 mL	78877	07/01/20 13:05	SAL	ECL 1
Total/NA	Analysis	8270C SIM		1			79094	07/02/20 12:50	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	3510C			1057.7 mL	2 mL	78877	07/01/20 13:05	SAL	ECL 1
Total/NA	Analysis	8270C SIM		10			79094	07/02/20 21:37	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77930	06/26/20 18:33	P6WT	ECL 1
	Instrument ID: IC9									
Total/NA	Prep	3010A			50 mL	50 mL	80199	07/08/20 17:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80282	07/09/20 11:14	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79978	07/08/20 10:00	WL8G	ECL 1
Total/NA	Analysis	7470A		1			80524	07/10/20 12:18	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 21:47	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78576	06/30/20 12:19	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-43-MW22

Date Collected: 06/25/20 09:05
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-2

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	78207	06/27/20 21:32	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1051.5 mL	2 mL	78877	07/01/20 13:05	SAL	ECL 1
Total/NA	Analysis	8270C SIM		1			79094	07/02/20 13:10	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77930	06/26/20 18:52	P6WT	ECL 1
	Instrument ID: IC9									
Total/NA	Prep	3010A			50 mL	50 mL	80199	07/08/20 17:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80282	07/09/20 11:20	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79978	07/08/20 10:00	WL8G	ECL 1
Total/NA	Analysis	7470A		1			80524	07/10/20 12:20	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 21:54	UAPD	ECL 1
	Instrument ID: ManSciMantech									

Lab Chronicle

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

Job ID: 570-31941-1

Client Sample ID: W-43-MW22
Date Collected: 06/25/20 09:05
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-2
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 2540C		1	20 mL	20 mL	78576	06/30/20 12:19	ULIN	ECL 1
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-43-MW11
Date Collected: 06/25/20 11:00
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-3
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	78207	06/27/20 22:01	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1052.4 mL	2 mL	78877	07/01/20 13:05	SAL	ECL 1
Total/NA	Analysis	8270C SIM		1			79094	07/02/20 13:29	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77930	06/26/20 19:11	P6WT	ECL 1
	Instrument ID: IC9									
Total/NA	Prep	3010A			50 mL	50 mL	80199	07/08/20 17:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80282	07/09/20 11:23	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Prep	7470A			50 mL	100 mL	79978	07/08/20 10:00	WL8G	ECL 1
Total/NA	Analysis	7470A		1			80524	07/10/20 12:27	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 22:00	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78576	06/30/20 12:19	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: W-40-BS/MW31
Date Collected: 06/25/20 11:54
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-4
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	78207	06/27/20 20:35	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1056.2 mL	2 mL	78877	07/01/20 13:05	SAL	ECL 1
Total/NA	Analysis	8270C SIM		1			79094	07/02/20 13:49	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Analysis	300.0		10			77930	06/26/20 19:30	P6WT	ECL 1
	Instrument ID: IC9									
Total/NA	Prep	3010A			50 mL	50 mL	80199	07/08/20 17:10	WL8G	ECL 1
Total/NA	Analysis	6010B		1			80282	07/09/20 11:25	ULPF	ECL 1
	Instrument ID: ICP8									

Lab Chronicle

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

Job ID: 570-31941-1

Client Sample ID: W-40-BS/MW31

Date Collected: 06/25/20 11:54
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-4

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	7470A			50 mL	100 mL	79978	07/08/20 10:00	WL8G	ECL 1
Total/NA	Analysis	7470A		1			80524	07/10/20 12:29	MD3A	ECL 1
	Instrument ID: HG7									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	78519	06/29/20 22:07	UAPD	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	78576	06/30/20 12:19	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	79623	07/06/20 21:10	Y3IH	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: Trip Blank

Date Collected: 06/25/20 00:00
Date Received: 06/26/20 09:45

Lab Sample ID: 570-31941-5

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	78207	06/27/20 18:02	UJHB	ECL 2
	Instrument ID: GCMSUU									

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: 570-31941-1
Project/Site: ExxonMobil Gladiola Station

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
California	Los Angeles County Sanitation Districts	10109	09-29-20
California	SCAQMD LAP	17LA0919	11-30-20
California	State	2944	09-29-20
Guam	State	20-003R	10-31-20
Nevada	State	CA00111	07-31-20
Oregon	NELAP	CA300001	01-29-21
USDA	US Federal Programs	P330-20-00034	02-10-23
Washington	State	C916-18	10-11-20

Method Summary

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

Job ID: 570-31941-1

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	Mercury (CVAA)	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

Loc: 570
31941

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

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

ExxonMobil Engr: Maria Madden

CHAIN OF CUSTODY RECORD

DATE: 6-25-20
PAGE: 1 OF 1

LABORATORY CLIENT: Cardno
ADDRESS: 20505 Crescent Bay Drive
CITY: Lake Forest, CA 92630
TEL: 805 644-4157 FAX: 805 644-5610 james.anderson@cardno.com

GLOBAL ID # / COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Clint Calvin / Mark Locke

P.O.
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 3 values.
EMES Sub Agreement # A2604415

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	EPA 8260B LL VOCs only (TC# 6401)	EPA 8270C SIM PAHs (TC# 4741)	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag only (TC# 2516)	EPA 7470A Mercury (TC# 5066)	EPA 300.0 Sulfate (TC# 5431)	SM 2320B Alkalinity (TC# 5512) and SM 4500-Cl C Chloride (TC# 765)	SM 2540C Total Dissolved Solids (TC# 4942)	CONTAINER TYPE
1	1	W-41-MW17	MW17	6-25-20	0938	W	10	X	X	X	X	X	X	X	5 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 125mL Plastic, 250mL Plastic, 1L Plastic
2	2	W-43-MW22	MW22	6-25-20	0905	W	10	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	3	W-43-MW11	MW11	6-25-20	1100	W	10	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-40-BS/MW37~~	~~BS/MW37~~	~~6-25-20~~	~~1454~~	W	10	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	5	W-40-BS/MW31	BS/MW31	6-25-20	1156	W	10	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	10	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	10	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	10	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	9	Trip Blank				W	3	X							3 vials with HCL
							2								

570-31941 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 6/26/2020 0945
Relinquished by: (Signature) COC\Gladiola Station-NM Site COC 05-16-2017	Received by: (Signature)	Date, & Time:

3-4 / 3-4 SRC

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-31941-1

Login Number: 31941
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

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.	True	
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.	True	
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	

APPENDIX C

WASTE DISPOSAL DOCUMENTATION

ALAMO 1

BILL OF LADING

AR20-00308

GENERATOR

GENERATING NAME AND ADDRESS:	GENERATING LOCATION/ADDRESS:
ExxonMobil Production Company c/o Cardno, 4572 Telephone Road, #916 Ventura, CA 93003 PHONE NO: (805) 644-4157	ExxonMobil Production Company – Gladiola Station Copeland Rd, 3 miles N of the Intersection of Copeland Rd & Hwy 39 Tatum, NM 88267 PHONE NO: (805) 644-4157
GENERATOR'S US EPA ID NO:	STATE GENERATOR'S ID:

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE	TYPE (D - DRUM, C. CARTON, B - BAG, T - TRUCK, P - POUNDS, Y - YARDS, O - OTHER)
LNAPL/Purge Water	N/A	5	G	5	D	

GENERATOR AUTHORIZED AGENT NAME:	SIGNATURE:	SHIPMENT DATE:
Clint Calyer		6-25-2020

TRANSPORTER

TRUCK NO:	PHONE NO: (800) 322-5085
TRANSPORTER NAME: Alamo1	DRIVER NAME (PRINT): Bradley Hinckley
ADDRESS: 2900 Nacogdoches Road San Antonio, TX 78217	VEHICLE LICENSE NO./STATE: FYC 1338 Texas VEHICLE CERTIFICATION:
US EPA ID NO: TX0000359190	STATE TRANSPORTER'S ID: 87517
I HEREBY CERTIFY THAT THE ABOVE-NAMED MATERIAL WAS PICKED UP AT THE GENERATOR SITE LISTED ABOVE.	I HEREBY CERTIFY THAT THE ABOVE-NAMED MATERIAL WAS DELIVERED WITHOUT INCIDENT TO THE DESTINATION LISTED BELOW.

DRIVER SIGNATURE:	SHIPMENT DATE:	DRIVER SIGNATURE:	SHIPMENT DATE:
	6-25-2020		6-25-2020

DESTINATION

SITE NAME: Sundance Services, Inc.	PHONE NO: (575) 408-2606
ADDRESS: 5 Miles Each 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:
	Alejandra P	06-25-20

Sundance Services West, Inc.
P.O. Box 1737
Eunice, NM 88231
575-390-7842
Permit # NM 1-62

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: 409547
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	First and Second Quarter 2020 Groundwater Monitoring Report Gladiola Station App ID: 409547. accepted for the record on 12/11/2024.	12/11/2024