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Homero Gonzalez
Project Manager

ExxonMobil

December 8, 2021

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

RE: Gladiola Station, Lea County, New Mexico, OCD No. AP038.

Dear Mr. Billings:

Attached for your review and comment is a copy of the report entitled ***First Half 2021 Groundwater Monitoring Report,*** dated December 8, 2021, for the above-referenced site. The report was prepared by Cardno of Santa Ana, California, and details activities at the subject site.

If you have any questions or comments, please contact me at 346.268.3626.

Sincerely,

Homero Gonzalez
Project Manager

Attachment: Cardno's ***First Half 2021 Groundwater Monitoring Report,*** dated December 8, 2021

cc: Mr. James Anderson, Cardno

First Half 2021 Groundwater Monitoring and Status Report

Former Gladiola Station

Lea County, New Mexico
OCD No. AP038

Cardno 01361204.1H21

Prepared for
ExxonMobil Environmental and Property Solutions Company

December 8, 2021

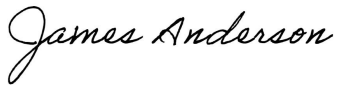
Cardno®

First Half 2021
Groundwater Monitoring and Status Report

Former Gladiola Station
Lea County, New Mexico
OCD No. AP038

Cardno 01361204.1H21

December 8, 2021



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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 and status report for the site. The event included gauging the monitoring wells, sampling the groundwater in wells without NAPL, and NAPL-containing wells.

2 Site Description

Former 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*

The NMOCD removed sulfate from routine sampling in electronic correspondence dated December 7, 2020 (NMOCD, 2020). Sulfate will be included in the sampling suite during closure sampling.

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

theorized 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).

June 23, 2020. Cardno conducted a groundwater monitoring and sampling event at the site (Cardno, 2020).

December 14-17, 2020. Cardno conducted a groundwater monitoring and sampling event at the site and bailed 15.75 gallons of a NAPL-water mixture from 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 (Cardno, 2021).

6 Field Activities

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

6.1 Monitoring Well Gauging and Purging

On June 29, 2021, 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.

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 measuring groundwater elevations to 0.01 foot.

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

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

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

6.2 Monitoring Well Sampling

On June 30, 2021, and July 1, 2021, 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 submersible 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.

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

6.3 NAPL Bailing

On June 29, 2021, NAPL was bailed from the wells with NAPL, as detailed in the following table.

NAPL Bailed from Site Wells

Well	Oil Removed (gallons)	Water Removed (gallons)	Total Oil-Water Mixture Removed (gallons)
MW-1	0.0625	0.4375	0.5
MW-4	0.125	0.375	0.5
MW-5	0.0625	0.4375	0.5
MW-9	0.0625	0.4375	0.5
MW-12	0.125	0.875	1.0
MW-13	0.25	0.75	1.0
MW-14	0.125	0.875	1.0
MW-15	0.0625	0.4375	0.5
MW-16	0.125	0.875	1.0
MW-18	0.5	1.5	2.0
MW-19	0.0625	0.4375	0.5
MW-20	1.0	1.5	2.5
MW-21	0.0625	0.4375	0.5
MW-23	0.0625	0.4375	0.5
MW-24	0.125	0.875	1.0
MW-25	0.25	0.75	1.0
MW-26	0.40	0.60	1.0
Total	**3.46**	**12.04**	**15.5**

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 through MW-21, and MW-23 through MW-26. NAPL thickness ranged from 0.03 foot (MW-14 and MW-23) to 1.80 feet (MW-26).

Measured groundwater levels in the wells ranged from 36.48 feet below TOC (well MW-3) to 42.01 feet below TOC (MW-26). The groundwater flow direction was to the northeast (Plate 3). The groundwater surface elevations and NAPL thicknesses for the monitoring wells are summarized in Table 1 and illustrated on the depth to water versus time Graphs MW-1 through MW-32.

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-3:** Benzene, total naphthalene, barium, and total dissolved solids (second time well has been sampled since 2009 due to the presence of NAPL).
- **MW-6:** Arsenic, mercury (first exceedance in this well).

- **MW-17:** Benzene, ethylbenzene, total naphthalene, and barium (stable trend).
- **MW-27:** Total dissolved solids (first exceedance in this well).
- **MW-28:** Total dissolved solids (stable trend).

A map showing the extent of NAPL and groundwater concentrations for BTEX and total naphthalene are presented on Plate 4 and TDS, chloride, and select metals are presented on Plate 5.

8 Conclusions

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

NAPL thickness measurements in the monitoring wells showed a stable to decreasing trend as compared to historical results, with the exception of well MW-19, where LNAPL appeared for the first time. The lateral assessment of NAPL and dissolved-phase hydrocarbon constituents of concern are delineated with the exceptions of to the southeast of well MW-3, south and southwest of well MW-19, north of well MW-26 and south of well MW-16.

Concentrations in the wells were consistent with historical results.

9 Recommendations and Work in Progress

Cardno recommends the following:

- Redeveloping or replacing well MW-2, which historically had been damaged when the monument well box was struck and bent over by an unknown party, and was observed to be filled with silt in second quarter 2020 to return it to the monitoring program.
- Forensic evaluation of the LNAPL in well MW-19.
- Additional assessment to delineate the lateral extent of LNAPL.
- Continuing semi-annual groundwater monitoring at the site.
- During the second half of 2021, ExxonMobil will submit this groundwater monitoring report, conduct the associated groundwater monitoring event, proceed with activities for delineating the lateral extent of LNAPL, and conduct further investigation of the source(s) of the LNAPL.

10 Contact Information

The responsible party contact is Mr. Homero Gonzalez, ExxonMobil Environmental and Property Solutions Company, 22777 Springwoods Village Parkway, Wellness 2, 2A, Spring, Texas 77389.

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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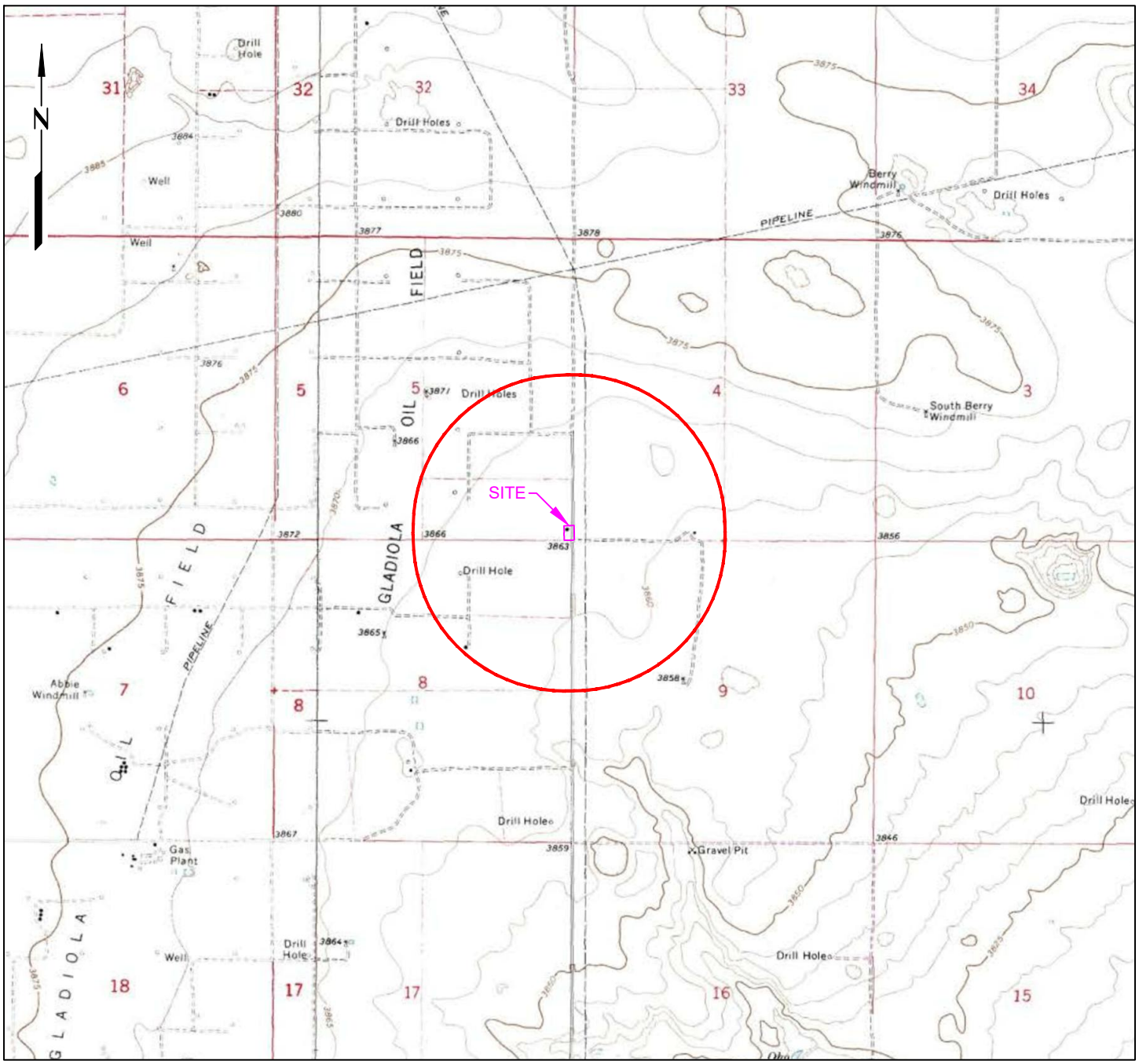
New Mexico Oil Conservation Division (NMOCD). December 7, 2020. Electronic correspondence from Bradford Billings of NMOCD to Marla Madden of ExxonMobil and James Anderson of Cardno. “Subject: RE Notification of 2H20 Groundwater Monitoring Event for ExxonMobil Gladiola Station OCD No. AP038.”

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

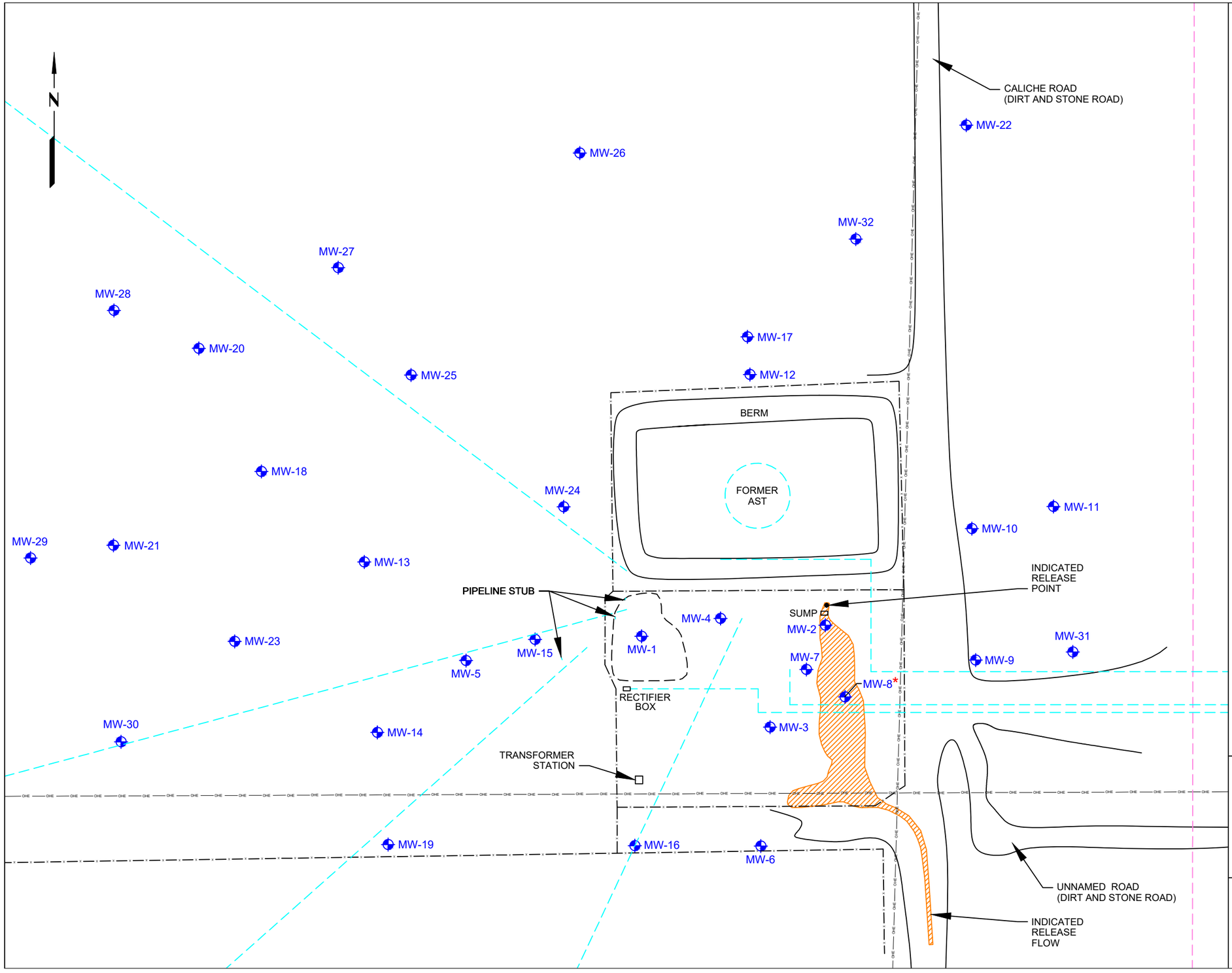
SOURCE: Modified from a map provided by MapPass

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

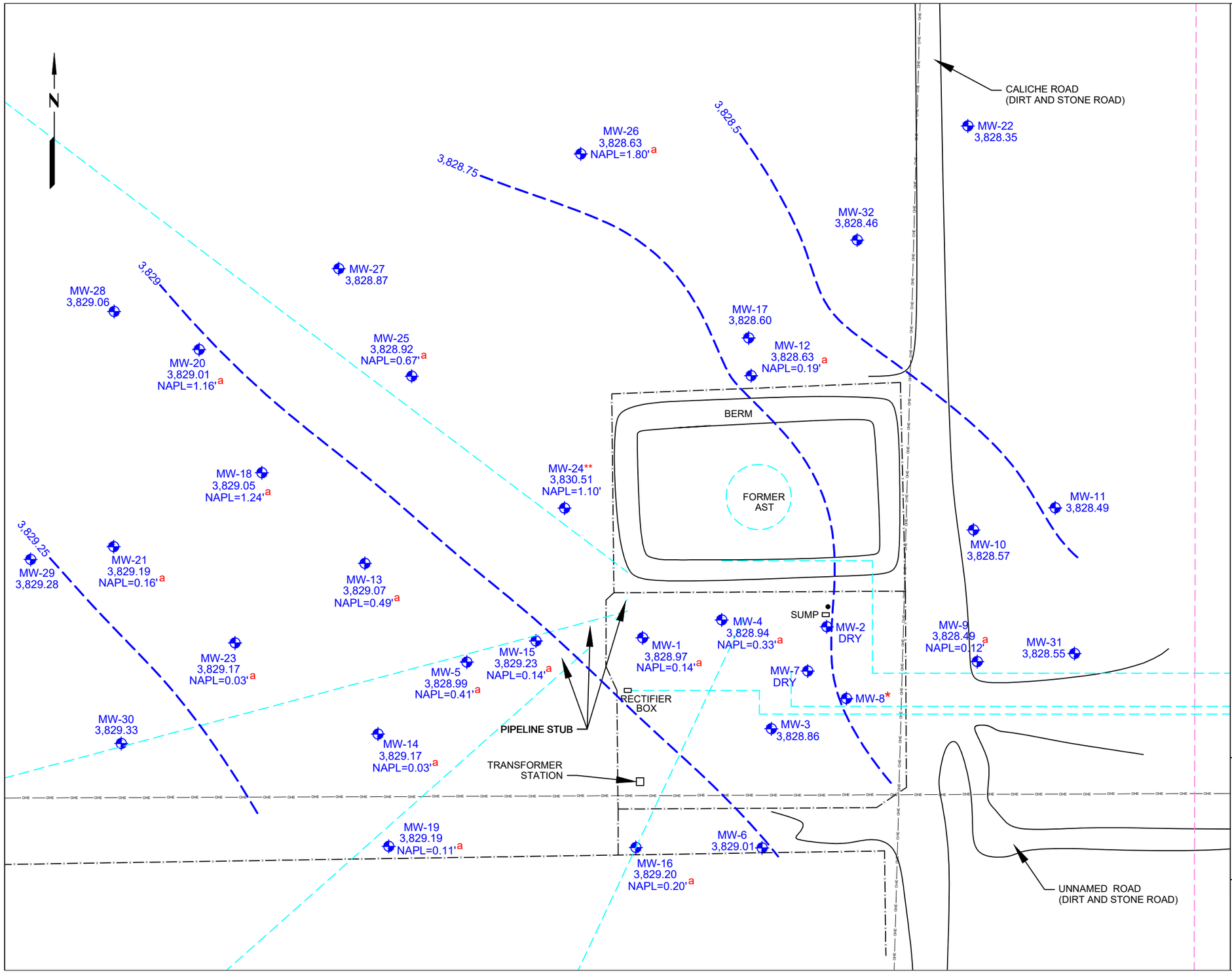
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 2

DATE: 09/09/21



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
**	Data point not used for contouring
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevation is adjusted for NAPL thickness using a relative density of 0.83
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
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AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ELEVATION MAP 06/29/21

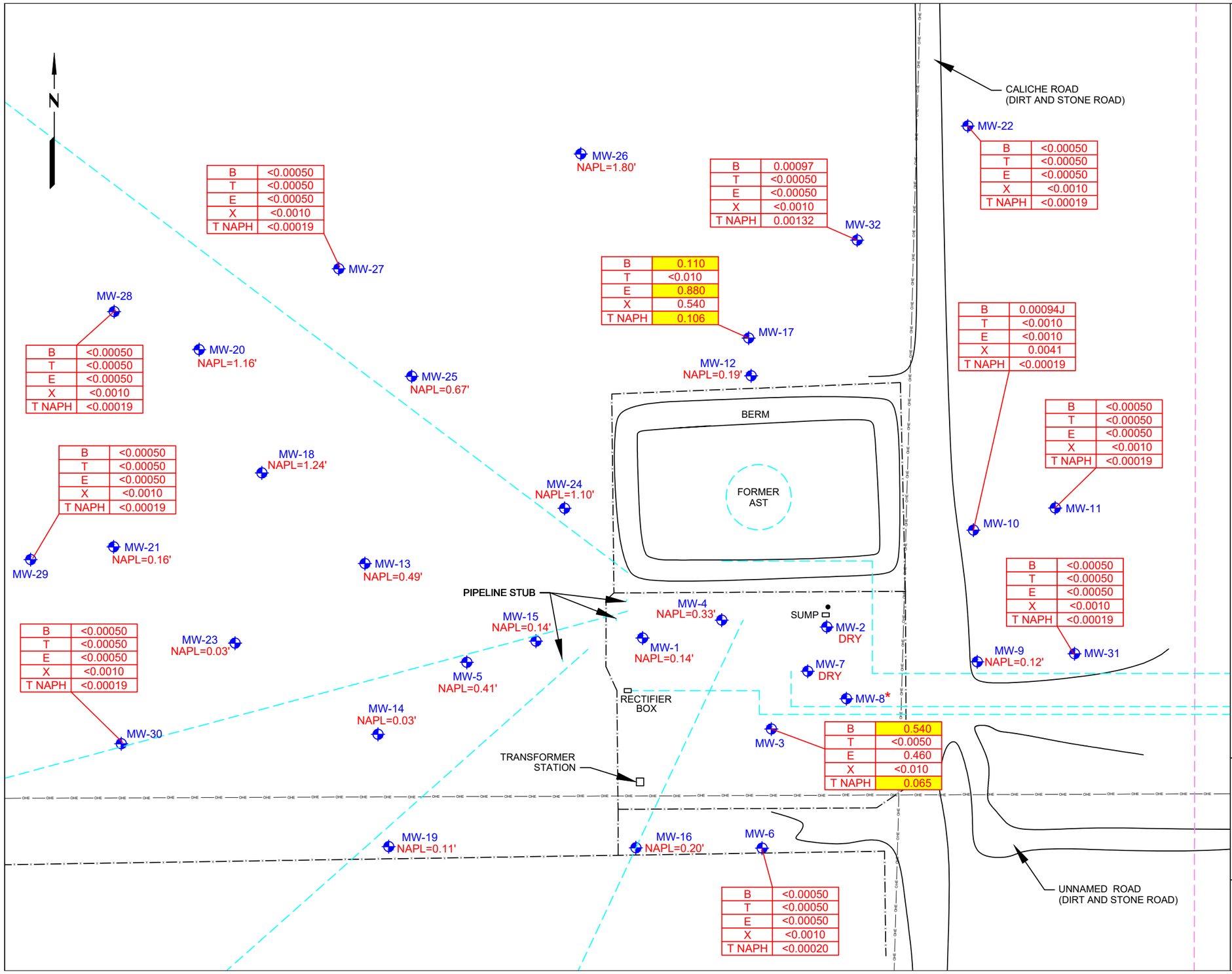
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 3

DATE: 09/09/21



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit and practical quantitation limit
0.880	Exceeds NMED WQCC HHS (0.01 mg/l for benzene) (0.03 mg/l for total naphthalene)

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 ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS

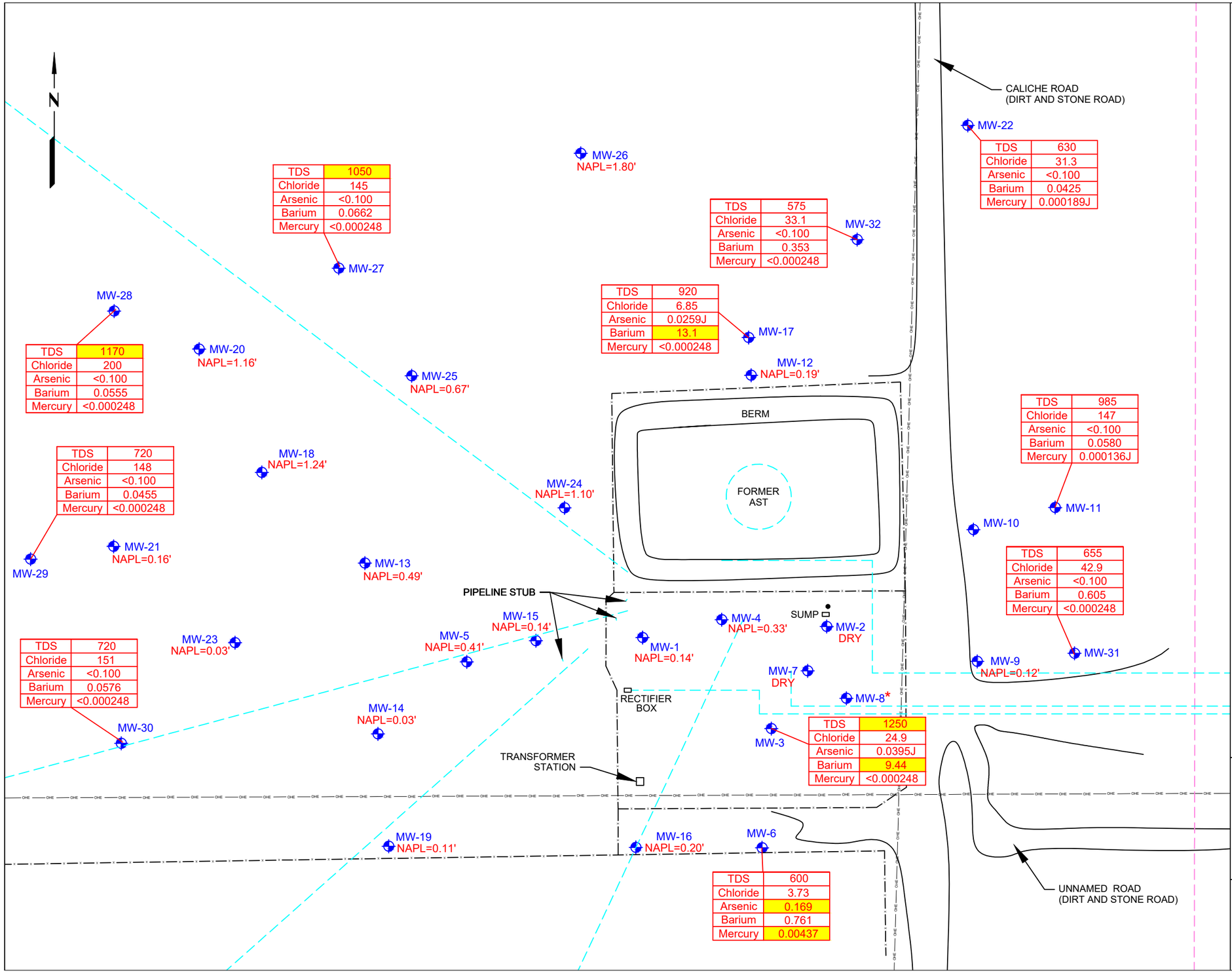
GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 4

DATE: 09/09/21



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.80'	Non-aqueous phase liquid thickness in feet
1250	Exceeds NMED WQCC HHS (1000 mg/l for TDS) (250 mg/l for chloride) (0.1 mg/l for arsenic) (1 mg/l for barium) (0.002 mg/l for mercury)
TDS	Total dissolved solids
Chloride	Chloride
Arsenic	Arsenic
Barium	Barium
Mercury	Mercury

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
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AECOM and Google Earth Pro

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ANALYTICAL RESULTS - METALS AND ADDITIONAL PARAMETERS

GLADIOLA STATION
Lea County, New Mexico

Cardno

PROJECT NO. 3612

PLATE 5

DATE: 09/09/21

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**					
06/29/21	3866.77	37.92	3,828.97	0.14				
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**					
06/29/21	3869.40	Dry		No				
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**					
06/29/21	3865.34	36.48	3,828.86	No				
07/01/21	3865.34			No	**0.540**	<0.0050	0.460	<0.010
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**					
06/29/21	3866.32	37.65	3,828.94	0.33				
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**					
06/29/21	3868.65	40.00	3,828.99	0.41				
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**					
06/29/21	3868.66	39.65	3,829.01	No				
07/01/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**					
06/29/21	3865.76	Dry		No				
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**					
06/29/21	3869.90	41.51	3,828.49	0.12				
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**					
06/29/21	3870.47	41.90	3,828.57	No				
07/01/21	3870.47			No	0.00094 J	<0.0010	<0.0010	0.0041
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**					
06/29/21	3869.68	41.19	3,828.49	No				
07/01/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**					
06/29/21	3869.40	40.93	3,828.63	0.19				
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**					
06/29/21	3868.76	40.10	3,829.07	0.49				
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**					
06/29/21	3868.62	39.47	3,829.17	0.03				
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**					
06/29/21	3868.86	39.75	3,829.23	0.14				
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**					
06/29/21	3868.68	39.65	3,829.20	0.20				
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**					
06/29/21	3869.27	40.67	3,828.60	No				
06/30/21	3869.27			No	**0.110**	<0.010	**0.880**	0.540
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**					
06/29/21	3868.94	40.92	3,829.05	1.24				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
06/29/21	3868.90	39.80	3,829.19	0.11				
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
06/29/21	3869.15	41.10	3,829.01	1.16				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
06/29/21	3869.07	40.01	3,829.19	0.16				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
06/29/21	3869.86	41.51	3,828.35	No				
07/01/21	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
06/29/21	3869.22	40.07	3,829.17	0.03				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
06/29/21	3868.04	38.44	3,830.51	1.10				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
06/29/21	3869.14	40.78	3,828.92	0.67				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
06/29/21	3869.15	42.01	3,828.63	1.80				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
06/29/21	3869.12	40.25	3,828.87	No				
06/30/21	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
06/29/21	3869.32	40.26	3,829.06	No				
06/30/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
06/29/21	3869.36	40.08	3,829.28	No				
06/30/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
06/29/21	3869.10	39.77	3,829.33	No				
06/30/21	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
06/29/21	3869.05	40.50	3,828.55	No				
07/01/21	3869.05			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
06/29/21	3870.35	41.89	3,828.46	No				
06/30/21	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**																
07/01/21	<0.00019	0.000072 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00083	<0.00019	0.00055	<0.00019	0.033	0.015	0.017	**0.065**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**																
07/01/21	<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	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**																
07/01/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**																
06/30/21	0.00014 J	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00097	<0.00019	0.00062	<0.00019	0.058	0.023	0.025	**0.106**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**																
07/01/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**																
06/30/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**																
06/30/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**																
06/30/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**																
06/30/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**																
07/01/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**																
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00039	<0.00019	<0.00019	<0.00019	0.00029	0.00080	0.00023	0.00132

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-3	**Well Screen Interval (feet):**		**24.20-44.20**									
07/01/21	0.0395 J	**9.44**	0.00444 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	24.9		1280	**1250**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
07/01/21	**0.169**	0.761	<0.0100	0.0248 J	0.0299 J	**0.00437**	<0.100	<0.0100	3.73		453	600
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
07/01/21	<0.100	0.0580	0.00260 J	<0.0500	0.0102 J	0.000136 J	<0.100	<0.0100	147		420	985
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
06/30/21	0.0259 J	**13.1**	0.00417 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	6.85		1040	920
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
07/01/21	<0.100	0.0425	0.00206 J	<0.0500	0.0147 J	0.000189 J	<0.100	<0.0100	31.3		276	630
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.0662	0.00219 J	<0.0500	0.0176 J	<0.000248	<0.100	<0.0100	145		178	**1050**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.0555	0.00256 J	<0.0500	0.0152 J	<0.000248	<0.100	<0.0100	200		154	**1170**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.0455	0.00203 J	<0.0500	0.0119 J	<0.000248	<0.100	<0.0100	148		182	720
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.0576	0.00238 J	<0.0500	0.0141 J	<0.000248	<0.100	<0.0100	151		169	720
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
07/01/21	<0.100	0.605	0.00229 J	<0.0500	0.0102 J	<0.000248	<0.100	<0.0100	42.9		477	655
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.353	0.00258 J	<0.0500	0.0122 J	<0.000248	<0.100	<0.0100	33.1		509	575

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
Bolded values equal or exceed applicable regulatory limits.
ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.
GW = Groundwater.
NAPL = Non-aqueous phase liquid.
NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.
Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
TDS = Total dissolved solids.
mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
A-01 = Could not obtain constant weight.
B = Analyte reported in associated method or trip blank.
D = Duplicate sample.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
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				
12/14/20	3866.77	38.20	3,828.60	0.04				
06/29/21	3866.77	37.92	3,828.97	0.14				
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-2	**Well Screen Interval (feet):**	**27.59-47.59**						
12/14/20	3869.40	Dry		No				
06/29/21	3869.40	Dry		No				
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		No	Insufficient water to sample.			
12/14/20	3865.34	36.38	3,828.96	No				
12/16/20	3865.34			No	**0.550**	<0.0040	0.430	<0.0080
06/29/21	3865.34	36.48	3,828.86	No				
07/01/21	3865.34			No	**0.540**	<0.0050	0.460	<0.010
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				

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**						
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
10/01/19	3866.32	37.61	3,829.21	0.60				
06/23/20	3866.32	37.62	3,829.18	0.58				
12/14/20	3866.32	37.80	3,828.96	0.53				
06/29/21	3866.32	37.65	3,828.94	0.33				
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				
12/14/20	3868.65	39.97	3,829.11	0.52				
06/29/21	3868.65	40.00	3,828.99	0.41				
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

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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**							
02/07/07	3867.00	31.93	3835.07	No	0.00667	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	No	**1.34**	<0.00100	<0.00100	<0.00300
09/21/08	3867.00			No				
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3867.00	34.42	3832.58	No				
10/13/11	3867.00	36.14	3830.86	No				
02/22/12	3867.00	38.65	3828.35	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.52	36.78	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				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		No	Insufficient water to sample.			
12/14/20	3868.66	39.49		No	Insufficient water to sample.			
06/29/21	3868.66	39.65	3,829.01	No				
07/01/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
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				
12/14/20	3865.76	Dry		No				
06/29/21	3865.76	Dry		No				
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	No	0.00561	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80			No				
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653
10/12/11	3863.80				Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				
07/17/12	3865.32	33.80	3831.68	0.19				
10/03/12	3865.32	33.96	3831.58	0.26				
05/14/13 - Present	3865.32				Unable to locate - Presumed destroyed.			
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				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
06/23/20	3869.90	41.20	3,828.95	0.30				
12/14/20	3869.90	41.42	3,828.71	0.28				
06/29/21	3869.90	41.51	3,828.49	0.12				
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
07/21/06	3868.85	34.10	3834.75	No	**0.0133**	0.001	0.001	0.003
02/06/07	3868.85	34.22	3834.63	No	**0.0115**	<0.00100	<0.00100	<0.00300
04/15/08	3868.85	34.76	3834.09	No	0.00599	<0.00100	<0.00100	<0.00300
09/21/08	3868.85			No				
09/26/08	3868.85	35.34	3833.51	No	0.00635	<0.00100	<0.00100	<0.00300
02/05/09	3868.85	35.84	3833.01	No	0.00409	<0.00100	<0.00100	<0.00300
05/18/09	3868.85	36.12	3832.73	No	0.00348	<0.00100	<0.00100	<0.00300
08/19/09	3868.85	36.40	3832.45	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.85	36.61	3832.24	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3868.85	36.65	3832.20	No				
10/13/11	3868.85	38.30	3830.55	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.85	38.83	3830.02	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3870.38	38.96	3831.42	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3870.38	39.46	3830.92	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3870.38	41.29	3829.09	No				
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		No	Insufficient water to sample.			
12/14/20	3870.47	41.72		No	Insufficient water to sample.			
06/29/21	3870.47	41.90	3,828.57	No				
07/01/21	3870.47			No	0.00094 J	<0.0010	<0.0010	0.0041
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

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**							
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
12/14/20	3869.68	41.01	3,828.67	No				
12/16/20	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.68	41.19	3,828.49	No				
07/01/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**							
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598
09/21/08	3867.74			No				
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				
11/17/14	3869.27	40.50	3829.54	0.93				
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				
12/14/20	3869.40	40.79	3,828.73	0.15				
06/29/21	3869.40	40.93	3,828.63	0.19				

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-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				
12/14/20	3868.76	39.91	3,829.15	0.36				
06/29/21	3868.76	40.10	3,829.07	0.49				
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**							
04/30/08	3866.92	29.48	3837.44	No	**0.0449**	0.00125	0.0231	0.0341
09/21/08	3866.92			No				
09/26/08	3866.92	32.82	3834.10	No	**0.123**	0.00187	0.0164	0.0911
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535
10/03/12	3868.47	36.90	3831.57	No	**0.107**	<0.00100	0.0965	0.0179
05/14/13	3868.47	38.39	3831.27	1.43				
01/28/14	3868.47	38.81	3830.55	1.07				
06/17/14	3868.47	38.76	3830.27	0.67				
11/18/14	3868.47	40.75	3830.04	2.79				
12/07/15	3868.47	41.49	3830.03	3.68				
04/26/16	3868.47	40.85	3829.87	2.71				
10/24/16	3868.47	40.86	3830.05	2.94				
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				
12/14/20	3868.62	39.58	3,829.24	0.24				

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**						
06/29/21	3868.62	39.47	3,829.17	0.03				
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				
12/14/20	3868.86	39.93	3,829.06	0.16				
06/29/21	3868.86	39.75	3,829.23	0.14				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
04/30/08	3867.02	29.95	3837.07	No	0.00321	<0.00100	0.0237	0.0376
09/21/08	3867.02			No				
09/26/08	3867.02	32.94	3834.08	No	0.00317	<0.00100	0.0253	0.0790
02/06/09	3867.02	33.39	3833.63	No	**0.0113**	<0.00100	0.0426	0.0634
05/18/09	3867.02	33.73	3833.29	No	0.00670	<0.00100	0.0488	0.0526
08/19/09	3867.02	34.00	3833.02	No	0.00419	<0.00100	0.0251	0.0797
10/30/09	3867.02	34.17	3832.85	No	0.00391	<0.00100	0.0128	0.0564
10/30/09 D	3867.02	34.17	3832.85	No	0.00576	<0.00100	0.0350	0.122
10/13/11	3867.02	35.95	3831.07	No	0.00190	<0.00100	0.0145	0.0342
02/22/12	3867.02	36.45	3830.57	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.54	36.65	3831.89	No	0.00157	<0.00100	0.01860	0.01050
10/03/12	3868.54	37.10	3831.44	No	0.00192	<0.00100	0.06370	0.07700
05/14/13	3868.54	38.05	3831.20	0.86				
01/27/14	3868.54	39.11	3830.67	1.49				
06/17/14	3868.54	39.10	3830.32	1.06				
11/18/14	3868.54	38.88	3830.44	0.94				
12/07/15	3868.54	38.61	3830.52	0.71				
04/26/16	3868.54	39.23	3830.02	0.85				
10/24/16	3868.54	38.36	3830.61	0.52				
05/22/17	3868.54	39.30	3829.82	0.70				
11/28/17	3868.54	38.79	3830.17	0.51				
07/17/18	3868.68	39.34	3829.87	0.64				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
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				
12/14/20	3868.68	39.63	3,829.26	0.25				
06/29/21	3868.68	39.65	3,829.20	0.20				
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
12/14/20	3869.27	40.48	3,828.79	No				
12/16/20	3869.27			No	**0.100**	<0.0020	0.580	0.150
06/29/21	3869.27	40.67	3,828.60	No				
06/30/21	3869.27			No	**0.110**	<0.010	**0.880**	0.540
Field Point MW-18	**Well Screen Interval (feet): 27.00-42.00**							
08/19/09	3867.31	34.45	3832.86	No	**2.40**	0.0206	0.681	**0.836**
10/30/09	3867.31	34.60	3832.71	No	**2.88**	0.0144	**0.779**	**0.703**
10/13/11	3867.31	36.26	3831.05	No	**1.81**	0.00572	0.274	0.108
02/22/12	3867.31	36.59	3830.73	0.01				
07/17/12	3868.79	37.30	3831.82	0.40				
10/03/12	3868.79	38.20	3831.34	0.90				
05/14/13	3868.79	38.23	3831.22	0.80				
01/28/14	3868.79	38.92	3830.53	0.80				
06/17/14	3868.79	38.99	3830.26	0.56				
11/17/14	3868.79	39.12	3830.04	0.44				
12/07/15	3868.79	39.15	3829.92	0.34				
04/26/16	3868.79	39.36	3829.77	0.41				
10/24/16	3868.79	39.19	3829.77	0.21				
05/22/17	3868.79	39.45	3829.62	0.34				
11/28/17	3868.79	39.41	3829.61	0.28				
07/17/18	3868.94	39.50	3829.70	0.31				

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**							
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				
12/14/20	3868.94	40.21	3,829.15	0.50				
06/29/21	3868.94	40.92	3,829.05	1.24				
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
12/14/20	3868.90	39.55	3,829.35	No				
12/15/20	3868.90			No	0.00038 J	<0.00050	0.0032	<0.0010
06/29/21	3868.90	39.80	3,829.19	0.11				
Field Point MW-20	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098
12/07/15	3868.97	39.90	3829.83	0.92				
04/26/16	3868.97	40.04	3829.70	0.93				
10/24/16	3868.97	40.50	3829.60	1.36				
05/22/17	3868.97	40.42	3829.53	1.18				
11/28/17	3868.97	39.66	3829.58	0.33				
07/17/18	3869.15	40.48	3829.66	1.19				

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**							
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				
12/14/20	3869.15	41.34	3,829.15	1.62				
06/29/21	3869.15	41.10	3,829.01	1.16				
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				
12/14/20	3869.07	39.89	3,829.33	0.18				
06/29/21	3869.07	40.01	3,829.19	0.16				
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**							
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.73	40.82	3828.91	No				
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	No				
11/29/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	No				
07/18/18	3869.86	40.90	3828.96	No	<0.00050	0.00041 J	<0.00050	<0.00050
03/06/19	3869.86	41.16	3,828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.86	41.18	3,828.68	No				

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**						
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
12/14/20	3869.86	41.32	3,828.54	No				
12/16/20	3869.86			No	<0.00050	<0.00050	0.00099	<0.0010
06/29/21	3869.86	41.51	3,828.35	No				
07/01/21	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				
12/14/20	3869.22	39.96	3,829.30	0.05				
06/29/21	3869.22	40.07	3,829.17	0.03				
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				
12/14/20	3868.04	40.04	3,829.05	1.27				
06/29/21	3868.04	38.44	3,830.51	1.10				
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				

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**							
06/17/14	3868.99	41.74	3829.99	3.30				
11/17/14	3868.99	41.45	3829.77	2.69				
12/07/15	3868.99	40.96	3829.73	2.05				
04/26/16	3868.99	40.00	3829.57	0.70				
10/24/16	3868.99	41.03	3829.53	1.89				
05/22/17	3868.99	41.13	3829.42	1.88				
11/28/17	3868.99	41.57	3829.34	2.31				
07/17/18	3869.14	40.20	3829.52	0.70				
03/04/19	3869.14	40.99	3,829.27	1.35				
10/01/19	3869.14	41.49	3,829.19	1.85				
06/23/20	3869.14	41.89	3,829.17	2.31				
12/14/20	3869.14	40.69	3,829.01	0.67				
06/29/21	3869.14	40.78	3,828.92	0.67				
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				
12/14/20	3869.15	41.82	3,828.77	1.74				
06/29/21	3869.15	42.01	3,828.63	1.80				
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
12/14/20	3869.12	40.05	3,829.07	No				
12/15/20	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.12	40.25	3,828.87	No				
06/30/21	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

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-28	**Well Screen Interval (feet):**	**35.00-50.00**						
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
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
12/14/20	3869.32	40.06	3,829.26	No				
12/15/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.32	40.26	3,829.06	No				
06/30/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.36	39.52	3829.84	No				
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3,829.66	No				
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
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
12/14/20	3869.36	39.88	3,829.48	No				
12/15/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.36	40.08	3,829.28	No				
06/30/21	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
12/14/20	3869.10	39.57	3,829.53	No				
12/15/20	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.10	39.77	3,829.33	No				
06/30/21	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
12/14/20	3869.05	40.32	3,828.73	No				
12/16/20	3869.05			No	0.00045 J	<0.00050	0.00039 J	<0.0010
06/29/21	3869.05	40.50	3,828.55	No				
07/01/21	3869.05			No	<0.00050	<0.00050	<0.00050	<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				

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-32	**Well Screen Interval (feet): 35.00-50.00**							
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
12/14/20	3870.35	41.69	3,828.66	No				
12/16/20	3870.35			No	0.00087	<0.00050	<0.00050	<0.0010
06/29/21	3870.35	41.89	3,828.46	No				
06/30/21	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

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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
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	0.00434	0.0246	0.0639 (a)	0.194	0.109	**0.3669**
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	0.0489	0.0493	0.139 (a)	0.178	0.300	**0.6170**
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	<0.0100	<0.0100	0.0553	0.0400	0.0522	**0.1475**
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	<0.0100	<0.0100	0.0461	0.0313	0.0403	**0.1177**
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	1.620 R1	1.470 R1	0.627 (c)	3.940 R1	1.940	**6.507 R1**
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	0.0132 R1	0.00554 R1	0.0746 (c)	0.118 R1	0.0573	**0.250 R1**
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	<0.0000952	<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	0.0603	0.0333	0.0211 (a)	0.163	0.0696	**0.2537**
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	0.232	0.075	0.0208 (a)	0.258	0.238	**0.5168**
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	<0.0971	<0.0971	0.117	0.201	0.287	**0.0484**
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	1.660 R1	1.410 R1	0.730 (c)	5.070 R1	2.750	**8.550 R1**
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	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	<0.00106	<0.00106	0.127	0.0160	**0.00245**	0.000869	<0.000213	0.00131	0.0113	<0.000213	0.0772	0.00575	<0.000213	0.0357	0.0182	0.0315 (a)	0.161	0.0752	**0.2677**
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	0.191	0.0557	0.053 (a)	0.220	0.255	**0.5280**
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	<0.0105	<0.0105	0.0146	0.0154	0.0162	**0.0462**
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	<0.0105	<0.0105	0.0164	0.0199	0.0215	**0.0578**
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	0.146 R1	0.161 R1	0.0353 R1 (c)	0.245	0.0885	**0.3688 R1**
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	0.0451 R1	0.0738 R1	0.00943 (c)	0.153 R1	0.0482	**0.211 R1**
12/16/20	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.0013	<0.00095	0.0011	<0.00095	0.046	0.026	0.030	**0.102**
07/01/21	<0.00019	0.000072 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00083	<0.00019	0.00055	<0.00019	0.033	0.015	0.017	**0.065**
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	<0.000469	<0.000188	0.0227 (a)	0.0373	0.0286	**0.0886**
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	0.00901	0.0117	0.027 (a)	0.0553	0.147	**0.2293**
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	<0.00990	<0.00990	0.0406	0.0320	0.0428	**0.1154**
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	<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	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.1578
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	0.0143 R1	0.00854 R1	0.0369 (c)	0.0578	0.0509	**0.1456**
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	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	<0.00472	0.00565	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	0.000356	<0.000189	0.00309	<0.000472	<0.000189	0.00483	<0.000189	0.0589 (a)	0.0914	0.0563	**0.2066**
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	0.0075	0.0037	0.117 (a)	0.105	0.218	**0.4400**
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	<0.00990	<0.00990	0.0693	0.0451	0.0547	**0.1691**
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	<0.0962	<0.0962	0.074	0.0443	0.605	**0.1671**
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	<0.0526	<0.0526	0.0873	0.0573	0.0676	**0.2122**
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	0.0194 R1	0.00619 R1	0.105 (c)	0.189 R1	0.103	**0.397**
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	0.0192 R1	0.00682 R1	0.0954 (c)	0.171 R1	0.0707	**0.3371 R1**

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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-5 **Well Screen Interval (feet): 27.19-47.19**																			
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	0.0127 R1	0.00378 R1	0.0191 (c)	0.0375 R12	0.0641	**0.121 R12**
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	0.00146	0.000111	0.0402 (b)	0.0216	0.0287	**0.0905**
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	<0.00190	<0.00190	0.0558	0.0229	0.0248	**0.1035**
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	0.00214	<0.00190	0.0568	0.0245	0.0270	**0.1083**
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	0.00241	<0.00196	0.0771	0.0296	0.0310	**0.1377**
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	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	<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	<0.0000943	<0.000189	<0.000189	<0.000472	<0.000189	<0.000472	<0.000189	<0.000943 (a)	<0.000943	0.00641	0.006410
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	<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	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.02970
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	<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	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
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	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
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	<0.000490	<0.0.000196	<0.000980	<0.000980	<0.000980	BDL
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	<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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	0.0000764 J	<0.0000561	0.0000629 J	<0.00000935	<0.00000935	0.0000629 J
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	0.0000523 J	<0.0000188	0.0000523 J	<0.0000188	<0.0000282	0.0000993
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	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	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	<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	0.000168	<0.0000952	<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	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000101	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
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	<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	<0.00019	<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	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/01/21	<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	<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	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188	<0.000469	<0.000188	0.00383 (a)	0.00855	0.00879	0.02117
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	<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	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
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	<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	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
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	<0.000500	0.000665	0.00227 (c)	0.00400	<0.00100	0.00627
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	<0.000500	0.000609 R1	<0.00100 (c)	0.00873 R1	0.00372	0.0125 R1
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	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	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	<0.000469	<0.000188	<0.000469	<0.000188	<0.000939 (a)	0.00472	<0.000939	0.004720

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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**																			
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	<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	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
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	<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	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
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	<0.000513	0.000657	<0.00103 (c)	0.00674 R1	0.00354 R1	0.01028 R1
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	0.0005	0.000518	<0.00100 (c)	0.0101 R1	0.00430	0.0144 R1
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**																			
07/21/06		<0.00099	0.001	<0.00099	<0.000198	<0.00099	<0.00099	<0.000198	<0.000139	<0.00099	0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (a)	<0.00099	<0.00099	<0.00297
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	<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	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
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	<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	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
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	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
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	<0.000500	0.00101	<0.00100 (c)	<0.00100	<0.00100	BDL
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	<0.0000952	<0.0000952	<0.000952	<0.000952	<0.000952	<0.000952
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	<0.0000952	<0.0000952	0.00143	<0.000952	<0.000952	0.00143
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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	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		0.001	0.001	0.001	<0.000200	<0.0001	<0.0001	<0.000200	<0.00014	<0.0001	<0.000200	<0.000200	0.000892	<0.000200	<0.0005	<0.000200	<0.001 (a)	0.001	0.001	0.001
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	<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	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
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	<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	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
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	<0.000490	<0.000196	<0.000980 (c)	<0.000980	0.00268	0.00268
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	<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	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.000104	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943
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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	0.0000876 J	<0.0000561	0.0000706 J	<0.00000935	<0.00000935	0.0000706 J
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	<0.0000561	<0.0000561	0.0000757 J	<0.00000935	<0.00000935	0.0000757 J
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	<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	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00021	<0.0001	<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	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	0.00021	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
05/24/17		<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
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	<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	<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	0.00022	<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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
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	<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	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
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	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
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	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
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	<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	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
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	<0.0000561	<0.0000561	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
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	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	<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	<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	<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	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
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	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	<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	<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	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
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	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	0.000023
12/16/20	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**																		
04/30/08	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0327	0.0316	0.0241	**0.0884**
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	<0.00943	<0.00943	0.0909	0.0512	0.0613	**0.2034**
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	<0.00952	<0.00952	0.0726	0.0434	0.0534	**0.1694**
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	<0.000500	<0.000200	0.12 (c)	0.159 R1	0.0808	**0.3598 R1**
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	0.0111 R1	0.00257 R1	0.0236 (c)	0.0283 R1	0.0708	**0.123 R1**
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	0.00165	<0.000099	0.0879	0.0406	0.063	**0.1915**
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	0.000991	<0.0000943	0.0659	0.0244	0.0396	**0.1299**
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	<0.002	<0.002	0.0653	0.0357	0.0394	**0.1404**
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	<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	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0366	0.0279	0.0329	**0.0974**
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	<0.0980	<0.0980	0.0986	<0.00980	<0.00980	**0.0986**
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	<0.0476	<0.0476	0.121	0.0712	0.0888	**0.281**
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	0.0458 R1	0.0277 R1	0.120 (c)	0.291 R1	0.147	**0.558 R1**
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	0.0238 R1	0.0369 R1	0.0212 (c)	0.0325 R1	0.0743	**0.128 R1**

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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
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	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
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	<0.00980	<0.00980	0.0120	0.0103	0.0108	**0.0331**
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	<0.00952	<0.00952	0.00956	<0.00952	<0.00952	0.00956
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	0.00411 R1	0.00109	0.00923 (c)	0.0547 R1	0.0172	**0.08113 R1**
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	0.00441 R1	0.00135 R1	0.00998 (c)	0.0506 R1	0.0186	**0.0792 R1**
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	0.000381	<0.0000952	0.00579	0.00459	0.00418	0.01456
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	0.000644	<0.000111	0.0071	0.00479	0.00428	0.01617
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	<0.00190	<0.00190	0.0137	0.00521	0.005	0.02391
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	<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	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0367	0.0318	0.0395	**0.108**
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	<0.00980	<0.00980	0.0902	0.0636	0.0825	**0.2363**
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	<0.0105	<0.0105	0.0658	0.0380	0.0484	**0.1522**
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	0.0196 R1	0.00753 R1	0.1690 (c)	0.202 R1	0.118	**0.489 R1**
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	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	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0309
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	<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	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
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	<0.000513	0.000979 R1	0.00429 R1 (c)	0.00603 R10	0.0127 R1	0.02302 R10, R1
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	0.000343	<0.0000952	0.00154	0.00158	0.00124	0.00436
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	0.000292	<0.0000943	0.00122	0.00113	0.00090	0.003245
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	<0.00190	<0.00190	<0.00500	0.00229	<0.00190	0.00229
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	<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	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000315	0.00144	<0.000200	0.0102 R1	<0.000200	0.134 (c)	0.188 R1	0.0768	**0.3988 R1**
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	0.0121 R1	0.00284 R1	0.134 (c)	0.193 R1		**0.327 R1**
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	<0.000099	<0.000099	0.0798	0.0364	0.0556	**0.1718**
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	<0.00190	<0.00190	0.0429	0.0256	0.0306	**0.0991**
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	<0.00189	<0.00189	0.0865	0.0325	0.0402	**0.1592**
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	0.0013	<0.00019	0.044	0.022	0.028	**0.094**
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	0.00073	<0.00019	0.053	0.026	0.028	**0.107**
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	0.0010	<0.00019	0.062	0.030	0.037	**0.067**
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	0.0012	<0.00019	0.080	0.042	0.048	**0.17**
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	0.00083	0.000026 J B	0.068	0.033	0.035	**0.136**
12/16/20	0.00016 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00021	<0.00019	0.037	0.013	0.010	**0.060**
06/30/21	0.00014 J	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00097	<0.00019	0.00062	<0.00019	0.058	0.023	0.025	**0.106**

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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
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	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
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	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
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	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	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
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	<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	<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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<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	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	<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	<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	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
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	<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	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	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	<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	<0.00019	<0.00019	0.000085 J	<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	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
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	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	0.00020	<0.00019	0.00058	0.0028	0.00030	0.00368
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	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
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	<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	<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	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<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	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	<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	<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	<0.000490	<0.000196	<0.000980 (c)	0.00156	<0.000980	0.00156
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	<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	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.00009
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	<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	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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-21 **Well Screen Interval (feet): 29.50-44.50**																			
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	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<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	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
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	<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	<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	<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	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
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	<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	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<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	<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	<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	<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	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<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	0.0000541 J	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<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	<0.0000291	<0.0000194	0.000278 B	<0.0000194	<0.0000291	0.000278 B
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<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	<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	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
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	<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	<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	<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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<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	<0.00019	<0.00019	0.00014 J	<0.00019	<0.00019	0.00014 J
07/01/21	<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	<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	<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	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00192	<0.00192	<0.00500	<0.00192	<0.00192	<0.00500
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	<0.0000571	<0.0000571	<0.000019	<0.00000952	<0.00000952	<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	0.0000687 J	0.0000724 J	<0.0000188	<0.0000188	<0.0000282	<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	<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	<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	<0.000190	<0.000190	0.0125	0.00669	0.00559	0.02478
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	0.000177 B	<0.0000939	0.00754	0.00497	0.00409	0.0166

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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
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	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	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0001	<0.0001
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	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
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	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
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	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<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	<0.0000282	<0.0000188	0.0000818 J	0.000048 J	<0.0000282	0.0001298
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	<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	<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	<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	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<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	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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	<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	<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	<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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<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	<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	<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	<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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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	<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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<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	<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)	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**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**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	<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	<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	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<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	<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	<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	0.00048	<0.00020	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
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	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	<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
12/16/20	<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	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<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	<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	<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	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085
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	0.0000059 J	<0.00019	0.00014 J	0.00011 J	0.000016 J	0.000266
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	0.000015 J	<0.00019	0.00026	0.00013 J	0.000019 J	0.000409
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	<0.00019	<0.00019	0.00022	0.00043	<0.00019	0.00065
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00039	<0.00019	<0.00019	<0.00019	0.00029	0.00080	0.00023	0.00132
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	0.000452	<0.0000962	0.000115	0.000462	0.000144	0.000721
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	0.000359	<0.0000971	0.00922	0.00625	0.00883	0.0243
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	0.00168	<0.000098	0.0835	0.039	0.0606	**0.1831**
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	0.000363	<0.000098	0.0137	0.0084	0.00967	**0.03177**
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	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	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.0000971	<0.0000971	0.000505	0.000291	0.000437	0.001233
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	0.000495	<0.0000971	0.0047	0.00281	0.00367	0.01118

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

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

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-1	**Well Screen Interval (feet):**		**22.71-42.71**									
07/24/06	0.0295	**4.82**	0.0018	0.0126	<0.00500	0.000303	<0.0100	<0.00500	10.9	1.82	743	900
02/08/07	0.0304	**5.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.8	1.24	621	<100
09/21/08	0.0256	**7.52**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	1.63	1.28	913	
05/19/09	0.0265	**8.72**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.41	<1.00	952	962
08/19/09	0.0303	**7**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.25	<1.00	979	940
10/30/09	0.0246	**8.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.83	3.54	917	780
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**									
07/25/06	0.0469	0.958	0.0021	0.0140	<0.00500	<0.000200	<0.0100	0.0057	30.6	2.11	668	900
02/08/07	0.0348	0.764	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32	3.9	634	440
09/22/08	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.4	3.57	669	622
08/19/09	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	31.2	2.74	649	742
10/30/09	0.0208	**8.57**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	0.005	15.1	1.08	752	480
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
07/24/06	0.057	**3.33**	0.0015	0.0098	<0.00500	<0.000200	<0.0100	<0.00500	21.2	8.35	773	880
02/08/07	0.0505	**3.44**	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	31.6	33.4	708	540
09/22/08	0.0380	**6.09**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	26.7	2.64	876	744
05/19/09	0.0397	**6.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.7	2.66	883	858
08/19/09	0.0302	**6.56**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.4	<1.00	880	802
10/30/09	0.0316	**5.91**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	<0.00500	21.4	<1.00	842	670
12/16/20	0.0292 J	**8.65**	0.00501 J	0.00758 J	0.0164 J	<0.000500	<0.100	0.00324 J B	27.8		1400	**1010**
07/01/21	0.0395 J	**9.44**	0.00444 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	24.9		1280	**1250**
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

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**									
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
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

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

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
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
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
07/01/21	**0.169**	0.761	<0.0100	0.0248 J	0.0299 J	**0.00437**	<0.100	<0.0100	3.73		453	600
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**									
07/25/06	<0.0100	0.679	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.5	<1.00	641	800
02/07/07	0.0583	**2.46**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.4	4.48	654	200
04/15/08	0.0513	**3.00**	0.0015	0.0051	<0.00500	<0.000200	<0.0100	<0.00500	13.6	1.46	710	744
09/20/08	0.0407	**1.92**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	3.16	680	710 B
05/18/09	0.0395	**1.88**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.7	3.10	672	748
08/19/09	0.0137	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.2	3.06	673	720
10/30/09	0.0112	**2.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	16.5	3.26	645	500
10/13/11	0.014	**2.34**	<0.00100	<0.00500	0.0054	<0.000200	<0.0100	<0.00500	14.5	3.74		
Field Point MW-8	**Well Screen Interval (feet):**		**23.05-38.05**									
07/25/06	0.0153	0.328	0.0012	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.1	8.01	593	810
02/07/07	0.0342	0.929	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.5	22.2	707	510
04/15/08	0.035	**1.22**	0.0015	0.0078	<0.00500	<0.000200	<0.0100	<0.00500	11.6	7.4	716	688
09/20/08	0.0211	0.773	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.5	9.30	633	610
05/18/09	0.0174	0.776	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.1	8.68	535	258
08/19/09	<0.0100	**1.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.3	6.57	623	676
10/30/09	<0.0100	**1.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.0	7.46	599	560
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**									
07/21/06	0.0298	0.918	<0.00100	0.0354	0.0078	<0.000200	<0.0100	<0.00500	103	157	1010	900
02/06/07	0.0291	0.284	<0.00100	0.0075	<0.00500	<0.000200	<0.0100	<0.00500	92	89.0	717	**1110**
04/15/08	0.0694	**1.61**	0.0023	0.0473	0.0126	<0.000200	<0.0100	<0.00500	85.5	47.5	2410	684
09/21/08	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	73.3	40.7	572	520
05/18/09	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	61.0	38.3	584	644
08/19/09	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	75.8	37.9	578	744
10/30/09	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	79.3	39.3	534	610
10/13/11	0.0147	0.122	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	101	27.5		
07/17/12	0.0175	0.0972	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	21.8	516	771
10/03/12	0.0277	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**

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

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

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
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
12/16/20	<0.100	0.0394	0.00353 J	<0.0500	0.0169 J	<0.000500	<0.100	<0.0100	158		412	800
07/01/21	<0.100	0.0580	0.00260 J	<0.0500	0.0102 J	0.000136 J	<0.100	<0.0100	147		420	985
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

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**									
10/30/09	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.01	16.7	604	510
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	0.0259	**2.16**	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
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

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-17	**Well Screen Interval (feet):**		**29.50-44.50**									
12/16/20	0.0226 J	**11.0**	0.00415 J	0.00691 J	0.0140 J	<0.000500	<0.100	<0.0100	6.64		1060	860
06/30/21	0.0259 J	**13.1**	0.00417 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	6.85		1040	920
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
12/15/20	<0.100	0.0860 F1	0.00321 J	0.0451 J	0.0198 J	<0.000500	<0.100	<0.0100	40.9		415	635
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**

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-20	**Well Screen Interval (feet):**		**29.50-44.50**									
10/03/12	0.0183	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	0.0167	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	0.0152	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0248	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**
10/30/09	0.0245	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	0.0311	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
07/17/12	0.0349	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	0.0435	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	0.0251	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	0.0355	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	0.0307	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	0.0310	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860
12/08/15	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
04/27/16	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/30/09	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	0.018	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
07/17/12	0.0353	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
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

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**									
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	0.0194	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	0.0236	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
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
12/16/20	<0.100	0.0268	0.00296 J	<0.0500	0.0186 J	<0.000500	<0.100	<0.0100	32.7		261	620
07/01/21	<0.100	0.0425	0.00206 J	<0.0500	0.0147 J	0.000189 J	<0.100	<0.0100	31.3		276	630
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

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-26	**Well Screen Interval (feet):**		**30.00-45.00**									
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	0.0127	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	0.0249	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0226	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	**0.0519**	<0.00500	**280**	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	**278**	110	176	815
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	**286**	120	168	955
12/15/20	<0.100	0.0471	0.00332 J	<0.0500	0.0287 J	<0.000500	<0.100	0.00309 J B	**306**		172	945
06/30/21	<0.100	0.0662	0.00219 J	<0.0500	0.0176 J	<0.000248	<0.100	<0.0100	145		178	**1050**
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**
12/15/20	<0.100	0.0479	0.00280 J	<0.0500	0.0334 J	<0.000500	<0.100	<0.0100	209		150	**1150**
06/30/21	<0.100	0.0555	0.00256 J	<0.0500	0.0152 J	<0.000248	<0.100	<0.0100	200		154	**1170**
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
12/15/20	<0.100	0.0382	0.00256 J	<0.0500	0.0213 J	<0.000500	<0.100	<0.0100	180		178	660
06/30/21	<0.100	0.0455	0.00203 J	<0.0500	0.0119 J	<0.000248	<0.100	<0.0100	148		182	720
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
12/15/20	<0.100	0.0538	0.00263 J	<0.0500	0.0232 J	<0.000500	<0.100	<0.0100	194		165	625

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-30	**Well Screen Interval (feet):**		**35.00-50.00**									
06/30/21	<0.100	0.0576	0.00238 J	<0.0500	0.0141 J	<0.000248	<0.100	<0.0100	151		169	720
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
12/16/20	<0.100	0.474	0.00317 J	<0.0500	0.0187 J	<0.000500	<0.100	<0.0100	45.7		476	**1010**
07/01/21	<0.100	0.605	0.00229 J	<0.0500	0.0102 J	<0.000248	<0.100	<0.0100	42.9		477	655
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
12/16/20	<0.100	0.327	0.00304 J	<0.0500	0.0233 J	<0.000500	<0.100	<0.0100	35.5		540	545
06/30/21	<0.100	0.353	0.00258 J	<0.0500	0.0122 J	<0.000248	<0.100	<0.0100	33.1		509	575
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		

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-7GW	**Grab Groundwater Sample**											
10/28/11	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.58	38.6		

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

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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	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-3														
12/16/20					0.040	0.053	0.0034 J	0.042		0.0057				
07/01/21					0.042	0.057	0.0041 J	0.039		0.0067		0.011		
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	
07/01/21														
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	
07/01/21												0.0049	0.0040	
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			
12/16/20														
07/01/21														
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	

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-17														
12/16/20					0.042	0.064	0.0031	0.039		0.0042		0.070	0.020	
06/30/21					0.051	0.078		0.051				0.180	0.042	
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	
12/15/20					0.0051	0.00086 J	0.00098	0.0033	0.0023	0.0034	0.00097	0.013		
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														
12/16/20														
07/01/21														
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														
12/15/20														

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-27														
06/30/21	0.0040 J													
Field Point MW-28														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
Field Point MW-29														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
Field Point MW-30														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
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	
12/16/20					0.00048 J	0.00032 J			0.00028 J	0.0015	0.00043 J	0.00063		
07/01/21					0.00041 J					0.0011				

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-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		
12/16/20						0.00062 J			0.00079	0.0011	0.00082	0.00033 J		
06/30/21	0.0040 J					0.00055 J			0.00049 J	0.0010	0.00079			

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): Nicholas Kincaid

Project Number: 013612

Gauging Instrument: interphase meter

Date(s): 6-29-21

	Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
*1	MW19	6-29-21	0745	—	39.80	39.69	.11	4" 1st time well had product
2	MW30		0800	53.86	39.77	—	—	
3	MW29		0805	53.88	40.08	—	—	
4	MW28		0810	52.82	40.26	—	—	
5	MW27		0815	53.90	40.25	—	—	
6	MW32		0817	53.41	41.89	—	—	
7	MW17		0820	48.17	40.67	—	—	
8	MW22		0823	47.72	41.51	—	—	
9	MW11		0826	48.01	41.19	—	—	3 VOAs taken
10	MW10		0830	42.80	41.90	—	—	2" - No purge taken insufficient water to pump. - No purge collecting
11	MW31		0835	53.60	40.50	—	—	4"
12	MW6		0840	42.06	39.65	—	—	2"
13	MW3		0845	44.89	36.48	—	—	2"
14	MW7		0848	36.20	—	—	—	2" Dry
15	MW2		0850	36.80	—	—	—	2" Dry
*16	MW14		0857	—	39.47	39.44	.03	4" *WAP1
*2	MW15		0859	—	39.75	39.61	.14	4"
*3	MW5		0902	—	40.00	39.59	.41	2"
*4	MW24		0906	—	38.44	37.34	1.10	2"
*5	MW23		0911	—	40.07	40.04	.03	2"
6	MW21		0924	—	40.01	39.85	.16	4"
7	MW20		0928	—	41.10	39.94	1.16	4"
8	MW18		0932	—	40.92	39.68	1.24	4"
9	MW13		0935	—	40.10	39.61	.49	4"
10	MW25		0939	—	40.78	40.11	.67	2"

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s): Nicholas Kincaid	Project Number: 013612
Gauging Instrument: Interphase meter	Date(s): 6-29-21 →

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
11 MW26	6/29/21	0941	—	42.01	40.21	1.80	
12 MW12		0948	—	40.93	40.74	.19	
13 MW9		0953 ~~0953~~	—	41.51	41.39	.12	
14 MW4		0956	—	37.65	37.32	.33	
15 MW1		1000	—	37.92	37.78	.14	
16 MW16		1005	—	39.65	39.45	.20	

Cardno Job #: 3612	Quarter:	2	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: JASQUEZ, JOSE				
DATE: 06/30/21				
Weather: OVERCAST				
WELL ID: MW 30				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C (F)	µS/cm	unit	mg/L	mV	NTU
	39.77	53.86	600	1 deg	3%	0.1	0.3	10% or 5	10% or 5
07:51			600	65.4	0.98	6.86	6.70	144.8	6.41
07:53			1800	65.2	0.98	6.84	6.68	145.9	75.10
07:55			3000	65.4	1.01	6.82	6.74	157.9	13.56
07:57			4200	65.5	1.02	6.82	6.72	160.3	138
07:59			5400	65.5	1.02	6.83	6.63	164	145
08:01			6600	65.5	1.03	6.84	6.57	167	151
08:02									

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.74	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:		Conversion	TD: 53.86	DTW_{final} :	
DTW initial:		0.163	DTW_i : 39.77		
		0.652	h:	TIME:	
Drawdown:		1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose Urquiza				
DATE: 06/30/21				
Weather: OVERCAST				
WELL ID: MW29				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.04	53.88	700	1 deg	3%	0.1	0.3	10% or 5	10% or 5
08:38			700	65.3	1.08	6.81	7.11	268	11.23
08:40			2100	65.3	1.08	6.81	6.99	263	16.50
08:42			3500	65.4	1.09	6.80	7.03	255	22.52
08:44			4900	65.5	1.09	6.81	6.87	247	29.49
08:46			6100	65.5	1.09	6.82	6.86	244	32.30
08:48			7500	65.6	1.09	6.83	6.80	239	36.28
08:49									

Depth to Pump Intake	51 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.98 Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.88	DTW final: 51.00
DTW initial:			0.163	DTW$_i$:	40.04	
			0.652	h:		TIME: 08:49
Drawdown:			1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter: 2	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: Chavez, Jose			
DATE: 6/30/21			
Weather: OVERCAST			
WELL ID: 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
	40.26	52.82	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
09:34			500	66.0	1.74	6.88	6.74	274	4.61
09:36			1500	66.0	1.74	6.90	6.65	265	3.99
09:38			2500	66.4	1.75	6.89	6.55	250	4.38
09:40			3500	66.5	1.75	6.88	6.51	245	4.47
09:42			4500	66.7	1.75	6.88	6.49	238	4.88
09:44			5500	66.9	1.75	6.87	6.46	232	5.30
09:46			6500	67.1	1.75	6.87	6.42	228	6.12
09:47									

Depth to Pump Intake	50	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.71	Gallons	Liters	GALLONS	
			WELL INFORMATION	SAMPLE COLLECTION	
DTW final:		Conversion	TD: 52.82	DTW $_{final}$:	
DTW initial:		0.163	DTW$_i$: 40.26		
		0.652	h:	TIME: 09:47	
Drawdown:		1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter: 2	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: VASQUEZ, JOSE			
DATE: 06/30/21			
Weather: OVERCAST			
WELL ID: 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
	40.25	53.80	400	1 deg	3%	0.1	0.3	10% or 5	10% or 5
10:19			400	67.1	1.59	6.89	4.78	198	4.24
10:21			1200	66.8	1.59	6.85	4.71	200	4.29
10:23			2000	66.9	1.59	6.84	4.63	200	4.79
10:25	40.35		2800	66.9	1.59	6.84	4.57	199	5.02
10:27			3600	66.7	1.59	6.84	4.51	196	8.38
10:29			4400	66.4	1.58	6.84	4.50	191	9.02
10:30			5200	66.3	1.58	6.84	4.51	189	10.02
10:31									

Depth to Pump Intake	51 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	1.37 Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.80	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	40.25	
			0.652	h:		TIME: 10:31
Drawdown:			1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose Urioweez				
DATE: 6/30/21				
Weather: OVERCAST				
WELL ID: MW 32				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.89	53.41	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
11:06			200	67.7	1.08	6.77	0.67	-67.9	7.00
11:08			600	67.5	1.07	6.75	0.47	-79.7	6.08
11:10			1000	67.7	1.07	6.70	0.34	-93	5.95
11:12			1400	68.2	1.07	6.69	0.26	-104	6.65
11:14			1800	67.2	1.07	6.68	0.03	-110	7.82
11:16			2200	67.1	1.08	6.68	0.00	-113	8.38
11:18			2600	67.0	1.08	6.68	0.00	-122	8.24
11:20			3000	67.0	1.07	6.68	0.00	-125	8.25
11:22			3400	67.0	1.07	6.68	0.00	-126	8.10
11:23									

*Depth to **Pump** Intake*	51 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	0.89 Gallons	Liters	GALLONS	
		WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	Conversion	TD: 53.41	DTW_{final} :	
DTW initial:	0.163	DTW_i : 41.89		
	0.652	h:	TIME: 11:23	
Drawdown:	1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose Urquiza				
DATE: 06/30/21				
Weather: Overcast				
WELL ID: MW17				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.67	48.17	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
12:07			500	67.5	1.70	6.96	0.40	-106	6.83
12:08			1000	67.4	1.69	6.92	0.22	-102	6.62
12:10			2000	67.7	1.69	6.91	0.09	-93	7.54
12:12			3000	67.8	1.70	6.91	0.04	-91	7.88
12:14			4000	68.0	1.70	6.91	0.00	-90	9.40
12:16			5000	68.4	1.69	6.90	0.00	-91	11.91
12:18			6000	68.7	1.69	6.90	0.00	-91	11.99
12:19									

Depth to Pump Intake	46	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters
Total Purge Volume	1.58	Gallons	Liters	GALLONS

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	48.17	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	40.67	
			0.652	h:		TIME: 12:19
Drawdown:			1.457	csg vol:		

COMMENTS

Cardno Job #: 3612 | Quarter: 2 | Year: 2021

Client/Site: ExxonMobil / Gladiola Station

Location: Near Tatum, NM

Sample Technician: Jose Urquidez

DATE: 7/1/21

Weather: Sunny

WELL ID: MW22

Comments

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.51	47.72	300	1 deg	3%	0.1	0.3	10% or 5	10% or 5
08:01				66.5	1.02	6.79	4.23	229	6.11
08:03			900	66.7	1.02	6.76	4.14	316	6.24
08:05			1500	66.9	1.02	6.78	4.10	342	6.57
08:07			2100	67.0	1.02	6.80	4.05	381	6.76
08:09			2700	67.1	1.02	6.81	4.01	394	6.80
08:11			3300	66.9	1.02	6.83	3.95	420	7.98
08:13			3900	66.2	1.02	6.84	3.89	462	8.21
08:15			4500	65.8	1.02	6.84	3.81	481	8.82
08:17			5100	65.9	1.02	6.84	3.70	480	9.13
08:19			5700	65.9	1.02	6.84	3.72	480	9.23
08:20	Sample								

Depth to Pump Intake	45	Feet	1000 mL = 1 Liter
Total Purge Volume	1.50	Gallons	Liters

1 gallon = 3.785 Liters

GALLONS

DTW final:			
DTW initial:			Conversion
			0.163
Drawdown:			0.652
			1.457

WELL INFORMATION

TD: 47.72

DTW$_i$: 41.51

h:

csg vol:

SAMPLE COLLECTION

DTW $_{final}$:

TIME: 08:20

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose Urquez				
DATE: 9-1-21				
Weather: Sunny Hot & humid				
WELL ID: MW 11				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.19	4801	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
08:45			200	67.7	1.53	6.85	4.51	209	6.39
08:47			600	67.4	1.53	6.79	4.47	210	4.73
08:49			1000	67.6	1.52	6.77	4.36	204	3.90
08:54			2000	68.2	1.53	6.74	4.29	194	3.70
08:59			3000	67.9	1.52	6.71	4.20	182	3.34
09:04			4000	67.2	1.52	6.68	4.25	177	2.94
09:09			5000	67.1	1.52	6.67	4.26	174	2.70

Depth to Pump Intake	46	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.3	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	48.01	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	41.19	
			0.652	h:		TIME:
Drawdown:			1.457	csg vol:		09:09

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2021
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: Jose Vasquez			
DATE: 7-1-21			
Weather: Sunny / Hot & Humid			
WELL ID: MW31			

Comments: New tubing needed for MW31

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.50	53.60	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
09:56			500	~~0.50~~	~~67.6~~	6.91	0.30	48.3	9.21
09:57			1000	67.4	1.09	6.88	0.27	50.5	8.69
09:59			2000	67.2	1.09	6.84	0.16	56.9	7.94
10:01			3000	67.6	1.09	6.83	0.06	61.2	8.29
10:03			4000	67.7	1.09	6.81	0.02	63.4	7.65
10:05			5000	68.3	1.09	6.80	0.00	67.4	7.60
10:07			6000	68.6	1.09	6.79	0.00	69.6	7.63
10:08									

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.58	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	53.60	DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:	40.50	
			0.652	h:		TIME:
Drawdown:			1.457	csg vol:		10:08

COMMENTS

Cardno Job #: 3612	Quarter: 2		Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose Vasquez				
DATE: 7-1-21				
Weather: Sunny				
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	
	36.48	44.89	300	1 deg	3%	0.1	0.3	10% or 5	10% or 5	
1121			300	70.7	2.12	7.19	0.83	+18.7	545	
11:23			900	69.0	2.11	7.11	0.31	-123.8	871	- cloudy water
11:25			1500	68.9	2.11	7.10	0.04	-118	199	
11:27			2100	68.7	2.10	7.11	0.00	-114	120	
11:29			2700	69.1	2.11	7.11	0.07	-109	53.16	
11:31			3300	68.7	2.11	7.11	-0.09	-109	54.36	
11:33			3900	69.0	2.11	7.10	-0.12	-108	34	
11:35			4500	70.0	2.11	7.09	-0.13	-110	29	
11:37			5100	70.0	2.11	7.07	-0.15	-112	30	
11:38										

Depth to Pump Intake	42 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.34 Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:	44.89	DTW_{final} :
DTW initial:			0.163	DTW_i :	36.48	
			0.652	h:		TIME: 11:38
Drawdown:			1.457	csg vol:		

COMMENTS

Well MW12

Cardno
LNAPL BAILING FORM

SITE: Glacier Station		PROJ. NO. 013612
WELL: MW12		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1300	1316	40.74	40.93	425 sc	875 sc	1 gallon of mixed water/NAPL Removed

Figure 1

Well MW24

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 01 3612
WELL: MW25		SAMPLER(S) ~~Test~~ Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1212	1219	37.34	38.44	~~125~~ sol	~~75~~ .875 gallons	1 gallon of mixed water / NAPL.

Figure 1

Well MW15

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW15		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
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
6-29-21	1205	5	39.61	39.75	~~.25~~ .125 gal	~~.875~~ gal	1 gallon of mix water/NAPL Removed

Figure 1

Well MW5

Cardno
LNAPL BAILING FORM

SITE: Gladiola		PROJ. NO. 013612
WELL: MW5		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1155	~~0~~ 6	39.59	40.00	~~.25 gal~~ 0.0625	~~.25 gal~~ 0.4375	0.50 gallons Removed of water/ NAPL mixed Removed 1/16" in bucket.

Figure 1

Well MW14

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 01 3612
WELL: MW14		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION	
CASING DIAMETER	4'	FLUID TYPE	
TOTAL DEPTH		VISCOSITY	
DEPTH TO TOP OF SCREEN		DENSITY	
SCREEN LENGTH		COLOR	Brown/Amber

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	~~Oil~~ Product Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1015	10.	39.44	39.47	~~0.004 gal~~ 0.125 gallons	~~.75 gal~~ 0.875 gallons	1/8" of product removed From 1 gallon water/NAPL mixture

Figure 1

Well MW23

Cardno
LNAPL BAILING FORM

SITE:		PROJ. NO. 3612
WELL: MW23		SAMPLER(S) Jose Umsuver
METHOD:	BAILER (type) 2" disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1031	10 min.	40.04	40.07	0.0625	0.4375	0.50 gallons Removed of Well/water mix.

Figure 1

Well MW21

Cardno
LNAPL BAILING FORM

SITE: Glenrio Station		PROJ. NO. 013612
WELL: MW21		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4"	FLUID TYPE
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
6-29-21	1045	5	39.85	40.01	0.0625	0.4375	0.5 gallons Removed

Figure 1

Well MW18

Cardno
LNAPL BAILING FORM

SITE: Gladiola		PROJ. NO. 013612
WELL: MW18		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 4	FLUID TYPE
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
6-29-21	1130	10	39.68	40.92	.5 gal	1.5gal	2 gallons of mixed NAPL/water Removed

Figure 1

Well MW13

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW13		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1145	6 min	39.61	40.10	.25 gal	.75 gal	1 gallon Removed

Figure 1

Well MW20

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW20		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1055	1105	39.94	41.10	1.0 gal	1.5 gal	2.5 gallons Removed

Figure 1

Well MW25

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW25		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1222	~~1231~~ 9	40.11	40.78	.25	.75	1 gallon Removed

Figure 1

Well MW26

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW26		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION
CASING DIAMETER	2"	FLUID TYPE
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
6-29-21	1234	6 min.	40.21	48.01	.40	.60	1/3 settling rate

Figure 1

Well MW9

Cardno
LNAPL BAILING FORM

SITE: Gladiola		PROJ. NO. 013612
WELL: MW 9		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1315	5	41.39	~~40.9~~ 41.51	0.0625	0.4375	0.5 gallons

Figure 1

Well MW4

Cardno
LNAPL BAILING FORM

SITE: Gladiola		PROJ. NO. 013612
WELL: MW4		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER 2"	FLUID TYPE
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
6-29-21	1325	5	37.32	37.65	0.125	0.375	0.5 gallons Removed.

Figure 1

Well MW1

Cardno
LNAPL BAILING FORM

SITE: ~~MW1~~ Gladidas		PROJ. NO. 013612
WELL: MW1		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 2" Disposable	PUMP (type)

WELL INFORMATION		HYDROCARBON INFORMATION
CASING DIAMETER	2"	FLUID TYPE
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
6-29-21	1333	5	37.78	37.92	0.0625	0.4375	0.5 gallons Removed

Figure 1

Well MW16

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW16		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
6-29-21	1340	1345	39.45	39.65	0.125	0.875	1 gallon Removed

Figure 1

Well MW19

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 013612
WELL: MW19		SAMPLER(S) Jose Vasquez
METHOD:	BAILER (type) 4" Disposable	PUMP (type)

WELL INFORMATION	HYDROCARBON INFORMATION
CASING DIAMETER ~~8~~ 4"	FLUID TYPE
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
4-29-21	1350	7	39.69	39.80	0.0625	0.4375	0.5 gallons Removed

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: 570-63319-1
Client Project/Site: ExxonMobil Gladiola Station/3612

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

Attn: Mr. James Anderson

Authorized for release by:
7/16/2021 4:33:21 PM

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

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

Laboratory Job ID: 570-63319-1

Table of Contents

Sample Summary

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

Job ID: 570-63319-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-63319-1	MW29	Water	06/30/21 08:49	07/01/21 10:40	
570-63319-2	MW28	Water	06/30/21 09:47	07/01/21 10:40	
570-63319-3	MW17	Water	06/30/21 12:19	07/01/21 10:40	
570-63319-4	Trip Blank	Water	06/30/21 00:00	07/01/21 10:40	

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-63319-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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/3612

Job ID: 570-63319-1

Job ID: 570-63319-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-63319-1

Comments
No additional comments.

Receipt
The samples were received on 7/1/2021 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
No analytical or quality issues were noted, other than those described 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.

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 570-161224. LCS/LCSD was performed to meet QC requirement.

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

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

Detection Summary

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

Job ID: 570-63319-1

Client Sample ID: MW29 — Lab Sample ID: 570-63319-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0455		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00203	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0119	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	182		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	720		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	148		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW28 — Lab Sample ID: 570-63319-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0555		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00256	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0152	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	154		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1170		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	200		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW17 — Lab Sample ID: 570-63319-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	110		10	5.3	ug/L	20		8260B	Total/NA
Ethylbenzene	880		10	7.1	ug/L	20		8260B	Total/NA
o-Xylene	19		10	7.0	ug/L	20		8260B	Total/NA
m,p-Xylene	520		20	16	ug/L	20		8260B	Total/NA
Xylenes, Total	540		20	16	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	180		10	5.7	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	42		10	5.7	ug/L	20		8260B	Total/NA
Isopropylbenzene	51		10	7.7	ug/L	20		8260B	Total/NA
Naphthalene	78		20	6.4	ug/L	20		8260B	Total/NA
N-Propylbenzene	51		10	7.8	ug/L	20		8260B	Total/NA
Acenaphthene	0.14	J	0.19	0.092	ug/L	1		8270C SIM	Total/NA
Acenaphthylene	0.073	J	0.19	0.066	ug/L	1		8270C SIM	Total/NA
Fluorene	0.97		0.19	0.071	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.62		0.19	0.069	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene - DL	23		1.9	0.69	ug/L	10		8270C SIM	Total/NA
2-Methylnaphthalene - DL	25		1.9	0.73	ug/L	10		8270C SIM	Total/NA
Naphthalene - DL	58		1.9	0.79	ug/L	10		8270C SIM	Total/NA
Arsenic	0.0259	J	0.100	0.0215	mg/L	1		6010B	Total/NA
Barium	13.1		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00417	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	1040		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	920		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	6.85		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-63319-4

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW29

Date Collected: 06/30/21 08:49
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/12/21 19:52	1
Toluene	ND		0.50	0.33	ug/L			07/12/21 19:52	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/12/21 19:52	1
o-Xylene	ND		0.50	0.35	ug/L			07/12/21 19:52	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/12/21 19:52	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/12/21 19:52	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/12/21 19:52	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/12/21 19:52	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/12/21 19:52	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/12/21 19:52	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/12/21 19:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/12/21 19:52	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/12/21 19:52	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/12/21 19:52	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/12/21 19:52	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/12/21 19:52	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/12/21 19:52	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/12/21 19:52	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/12/21 19:52	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/12/21 19:52	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/12/21 19:52	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/12/21 19:52	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/12/21 19:52	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/12/21 19:52	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/12/21 19:52	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/12/21 19:52	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/12/21 19:52	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/12/21 19:52	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/12/21 19:52	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/12/21 19:52	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/12/21 19:52	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/12/21 19:52	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/12/21 19:52	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/12/21 19:52	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/12/21 19:52	1
Bromobenzene	ND		0.50	0.26	ug/L			07/12/21 19:52	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/12/21 19:52	1
Bromoform	ND		0.50	0.39	ug/L			07/12/21 19:52	1
Bromomethane	ND		1.0	0.93	ug/L			07/12/21 19:52	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/12/21 19:52	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/12/21 19:52	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/12/21 19:52	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/12/21 19:52	1
Chloroethane	ND		0.50	0.44	ug/L			07/12/21 19:52	1
Chloroform	ND		0.50	0.28	ug/L			07/12/21 19:52	1
Chloromethane	ND		1.0	0.29	ug/L			07/12/21 19:52	1
Dibromomethane	ND		0.50	0.23	ug/L			07/12/21 19:52	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/12/21 19:52	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 19:52	1

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW29
Date Collected: 06/30/21 08:49
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-1
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		0.50	0.14	ug/L			07/12/21 19:52	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/12/21 19:52	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/12/21 19:52	1
2-Butanone	ND		5.0	3.0	ug/L			07/12/21 19:52	1
2-Hexanone	ND		6.0	4.3	ug/L			07/12/21 19:52	1
Naphthalene	ND		1.0	0.32	ug/L			07/12/21 19:52	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/12/21 19:52	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/12/21 19:52	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/12/21 19:52	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 19:52	1
Styrene	ND		0.50	0.28	ug/L			07/12/21 19:52	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 19:52	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/12/21 19:52	1
Trichloroethene	ND		0.50	0.29	ug/L			07/12/21 19:52	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/12/21 19:52	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/12/21 19:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*		*07/12/21 19:52*	*1*
4-Bromofluorobenzene (Surr)	*96*		*71 - 120*		*07/12/21 19:52*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*07/12/21 19:52*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/12/21 19:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		8.0	4.0	ug/L			07/14/21 17:05	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 17:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*114*		*68 - 135*		*07/14/21 17:05*	*1*
4-Bromofluorobenzene (Surr)	*84*		*71 - 120*		*07/14/21 17:05*	*1*
Dibromofluoromethane (Surr)	*113*		*80 - 120*		*07/14/21 17:05*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/14/21 17:05*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		07/02/21 09:15	07/07/21 20:45	1
Acenaphthylene	ND		0.19	0.066	ug/L		07/02/21 09:15	07/07/21 20:45	1
Anthracene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 20:45	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		07/02/21 09:15	07/07/21 20:45	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		07/02/21 09:15	07/07/21 20:45	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 20:45	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/02/21 09:15	07/07/21 20:45	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/02/21 09:15	07/07/21 20:45	1
Chrysene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 20:45	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 20:45	1
Fluoranthene	ND		0.19	0.065	ug/L		07/02/21 09:15	07/07/21 20:45	1
Fluorene	ND		0.19	0.071	ug/L		07/02/21 09:15	07/07/21 20:45	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/02/21 09:15	07/07/21 20:45	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		07/02/21 09:15	07/07/21 20:45	1

Client Sample Results

Client: Cardno, Inc
Job ID: 570-63319-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: MW29
Lab Sample ID: 570-63319-1
Date Collected: 06/30/21 08:49
Matrix: Water
Date Received: 07/01/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.19	0.074	ug/L		07/02/21 09:15	07/07/21 20:45	1
Naphthalene	ND		0.19	0.079	ug/L		07/02/21 09:15	07/07/21 20:45	1
Phenanthrene	ND		0.19	0.070	ug/L		07/02/21 09:15	07/07/21 20:45	1
Pyrene	ND		0.19	0.063	ug/L		07/02/21 09:15	07/07/21 20:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*70*		*33 - 144*	*07/02/21 09:15*	*07/07/21 20:45*	*1*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*07/02/21 09:15*	*07/07/21 20:45*	*1*
p-Terphenyl-d14 (Surr)	*74*		*23 - 160*	*07/02/21 09:15*	*07/07/21 20:45*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/06/21 11:30	07/06/21 14:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:06	1
Barium	**0.0455**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:06	1
Cadmium	**0.00203**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:06	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:06	1
Lead	**0.0119**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:06	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:06	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**182**		5.00	1.69	mg/L			07/14/21 14:49	1
Total Dissolved Solids	**720**		1.00	0.870	mg/L			07/06/21 18:49	1
Chloride	**148**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample ID: MW28
Lab Sample ID: 570-63319-2
Date Collected: 06/30/21 09:47
Matrix: Water
Date Received: 07/01/21 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/12/21 20:22	1
Toluene	ND		0.50	0.33	ug/L			07/12/21 20:22	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/12/21 20:22	1
o-Xylene	ND		0.50	0.35	ug/L			07/12/21 20:22	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/12/21 20:22	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/12/21 20:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/12/21 20:22	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/12/21 20:22	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/12/21 20:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/12/21 20:22	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/12/21 20:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/12/21 20:22	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/12/21 20:22	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/12/21 20:22	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/12/21 20:22	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW28

Date Collected: 06/30/21 09:47
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/12/21 20:22	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/12/21 20:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/12/21 20:22	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/12/21 20:22	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/12/21 20:22	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/12/21 20:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/12/21 20:22	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/12/21 20:22	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/12/21 20:22	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/12/21 20:22	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/12/21 20:22	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/12/21 20:22	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/12/21 20:22	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/12/21 20:22	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/12/21 20:22	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/12/21 20:22	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/12/21 20:22	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/12/21 20:22	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/12/21 20:22	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/12/21 20:22	1
Acetone	ND		8.0	4.0	ug/L			07/12/21 20:22	1
Bromobenzene	ND		0.50	0.26	ug/L			07/12/21 20:22	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/12/21 20:22	1
Bromoform	ND		0.50	0.39	ug/L			07/12/21 20:22	1
Bromomethane	ND		1.0	0.93	ug/L			07/12/21 20:22	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/12/21 20:22	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/12/21 20:22	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/12/21 20:22	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/12/21 20:22	1
Chloroethane	ND		0.50	0.44	ug/L			07/12/21 20:22	1
Chloroform	ND		0.50	0.28	ug/L			07/12/21 20:22	1
Chloromethane	ND		1.0	0.29	ug/L			07/12/21 20:22	1
Dibromomethane	ND		0.50	0.23	ug/L			07/12/21 20:22	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/12/21 20:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 20:22	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/12/21 20:22	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/12/21 20:22	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/12/21 20:22	1
2-Butanone	ND		5.0	3.0	ug/L			07/12/21 20:22	1
2-Hexanone	ND		6.0	4.3	ug/L			07/12/21 20:22	1
Naphthalene	ND		1.0	0.32	ug/L			07/12/21 20:22	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/12/21 20:22	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/12/21 20:22	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/12/21 20:22	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 20:22	1
Styrene	ND		0.50	0.28	ug/L			07/12/21 20:22	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 20:22	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/12/21 20:22	1
Trichloroethene	ND		0.50	0.29	ug/L			07/12/21 20:22	1

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW28
Date Collected: 06/30/21 09:47
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/12/21 20:22	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/12/21 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*68 - 135*		*07/12/21 20:22*	*1*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*		*07/12/21 20:22*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*07/12/21 20:22*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/12/21 20:22*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 17:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*115*		*68 - 135*		*07/14/21 17:33*	*1*
4-Bromofluorobenzene (Surr)	*87*		*71 - 120*		*07/14/21 17:33*	*1*
Dibromofluoromethane (Surr)	*116*		*80 - 120*		*07/14/21 17:33*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/14/21 17:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		07/02/21 09:15	07/07/21 21:07	1
Acenaphthylene	ND		0.19	0.065	ug/L		07/02/21 09:15	07/07/21 21:07	1
Anthracene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 21:07	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		07/02/21 09:15	07/07/21 21:07	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		07/02/21 09:15	07/07/21 21:07	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 21:07	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/02/21 09:15	07/07/21 21:07	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		07/02/21 09:15	07/07/21 21:07	1
Chrysene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 21:07	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 21:07	1
Fluoranthene	ND		0.19	0.064	ug/L		07/02/21 09:15	07/07/21 21:07	1
Fluorene	ND		0.19	0.071	ug/L		07/02/21 09:15	07/07/21 21:07	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/02/21 09:15	07/07/21 21:07	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		07/02/21 09:15	07/07/21 21:07	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/02/21 09:15	07/07/21 21:07	1
Naphthalene	ND		0.19	0.078	ug/L		07/02/21 09:15	07/07/21 21:07	1
Phenanthrene	ND		0.19	0.069	ug/L		07/02/21 09:15	07/07/21 21:07	1
Pyrene	ND		0.19	0.063	ug/L		07/02/21 09:15	07/07/21 21:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*33 - 144*	*07/02/21 09:15*	*07/07/21 21:07*	*1*
Nitrobenzene-d5 (Surr)	*65*		*28 - 139*	*07/02/21 09:15*	*07/07/21 21:07*	*1*
p-Terphenyl-d14 (Surr)	*70*		*23 - 160*	*07/02/21 09:15*	*07/07/21 21:07*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/06/21 11:30	07/06/21 14:32	1

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW28

Date Collected: 06/30/21 09:47
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:09	1
Barium	**0.0555**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:09	1
Cadmium	**0.00256**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:09	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:09	1
Lead	**0.0152**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:09	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:09	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**154**		5.00	1.69	mg/L			07/14/21 15:02	1
Total Dissolved Solids	**1170**		1.00	0.870	mg/L			07/06/21 18:49	1
Chloride	**200**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample ID: MW17

Date Collected: 06/30/21 12:19
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**110**		10	5.3	ug/L			07/14/21 18:01	20
Toluene	ND		10	6.6	ug/L			07/14/21 18:01	20
Ethylbenzene	**880**		10	7.1	ug/L			07/14/21 18:01	20
o-Xylene	**19**		10	7.0	ug/L			07/14/21 18:01	20
m,p-Xylene	**520**		20	16	ug/L			07/14/21 18:01	20
Xylenes, Total	**540**		20	16	ug/L			07/14/21 18:01	20
Methyl-t-Butyl Ether (MTBE)	ND		10	4.1	ug/L			07/14/21 18:01	20
1,1,1,2-Tetrachloroethane	ND		10	5.1	ug/L			07/14/21 18:01	20
1,1,1-Trichloroethane	ND		10	5.3	ug/L			07/14/21 18:01	20
1,1,2,2-Tetrachloroethane	ND		10	3.9	ug/L			07/14/21 18:01	20
1,1,2-Trichloroethane	ND		10	1.7	ug/L			07/14/21 18:01	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	5.0	ug/L			07/14/21 18:01	20
1,1-Dichloroethane	ND		10	7.1	ug/L			07/14/21 18:01	20
1,1-Dichloroethene	ND		10	7.8	ug/L			07/14/21 18:01	20
1,1-Dichloropropene	ND		10	4.8	ug/L			07/14/21 18:01	20
1,2,3-Trichlorobenzene	ND		10	5.5	ug/L			07/14/21 18:01	20
1,2,3-Trichloropropane	ND		10	6.4	ug/L			07/14/21 18:01	20
1,2,4-Trichlorobenzene	ND		10	7.5	ug/L			07/14/21 18:01	20
1,2,4-Trimethylbenzene	**180**		10	5.7	ug/L			07/14/21 18:01	20
1,3,5-Trimethylbenzene	**42**		10	5.7	ug/L			07/14/21 18:01	20
c-1,2-Dichloroethene	ND		10	6.0	ug/L			07/14/21 18:01	20
1,2-Dibromo-3-Chloropropane	ND		20	13	ug/L			07/14/21 18:01	20
1,2-Dichlorobenzene	ND		10	4.6	ug/L			07/14/21 18:01	20
1,2-Dichloroethane	ND		10	3.0	ug/L			07/14/21 18:01	20
1,2-Dichloropropane	ND		10	4.8	ug/L			07/14/21 18:01	20
t-1,2-Dichloroethene	ND		10	7.2	ug/L			07/14/21 18:01	20
c-1,3-Dichloropropene	ND		10	3.8	ug/L			07/14/21 18:01	20
1,3-Dichlorobenzene	ND		10	5.1	ug/L			07/14/21 18:01	20
1,3-Dichloropropane	ND		10	4.1	ug/L			07/14/21 18:01	20
t-1,3-Dichloropropene	ND		10	3.5	ug/L			07/14/21 18:01	20

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW17
Date Collected: 06/30/21 12:19
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		10	4.5	ug/L			07/14/21 18:01	20
2,2-Dichloropropane	ND		10	7.9	ug/L			07/14/21 18:01	20
2-Chlorotoluene	ND		10	6.2	ug/L			07/14/21 18:01	20
4-Chlorotoluene	ND		10	6.7	ug/L			07/14/21 18:01	20
4-Methyl-2-pentanone	ND		100	45	ug/L			07/14/21 18:01	20
Acetone	ND		160	80	ug/L			07/14/21 18:01	20
Bromobenzene	ND		10	5.2	ug/L			07/14/21 18:01	20
Bromochloromethane	ND		20	7.0	ug/L			07/14/21 18:01	20
Bromoform	ND		10	7.8	ug/L			07/14/21 18:01	20
Bromomethane	ND		20	19	ug/L			07/14/21 18:01	20
Carbon disulfide	ND		20	4.9	ug/L			07/14/21 18:01	20
Carbon tetrachloride	ND		10	5.4	ug/L			07/14/21 18:01	20
Chlorobenzene	ND		10	4.8	ug/L			07/14/21 18:01	20
Dibromochloromethane	ND		10	5.4	ug/L			07/14/21 18:01	20
Chloroethane	ND		10	8.8	ug/L			07/14/21 18:01	20
Chloroform	ND		10	5.7	ug/L			07/14/21 18:01	20
Chloromethane	ND	*+	20	5.9	ug/L			07/14/21 18:01	20
Dibromomethane	ND		10	4.6	ug/L			07/14/21 18:01	20
Bromodichloromethane	ND		10	4.5	ug/L			07/14/21 18:01	20
Dichlorodifluoromethane	ND		20	14	ug/L			07/14/21 18:01	20
1,2-Dibromoethane	ND		10	2.7	ug/L			07/14/21 18:01	20
Hexachloro-1,3-butadiene	ND		20	6.3	ug/L			07/14/21 18:01	20
Isopropylbenzene	**51**		10	7.7	ug/L			07/14/21 18:01	20
2-Butanone	ND		100	61	ug/L			07/14/21 18:01	20
Methylene Chloride	ND		20	9.6	ug/L			07/14/21 18:01	20
2-Hexanone	ND		120	86	ug/L			07/14/21 18:01	20
Naphthalene	**78**		20	6.4	ug/L			07/14/21 18:01	20
n-Butylbenzene	ND		10	5.9	ug/L			07/14/21 18:01	20
N-Propylbenzene	**51**		10	7.8	ug/L			07/14/21 18:01	20
p-Isopropyltoluene	ND		10	5.5	ug/L			07/14/21 18:01	20
sec-Butylbenzene	ND		10	6.8	ug/L			07/14/21 18:01	20
Styrene	ND		10	5.5	ug/L			07/14/21 18:01	20
tert-Butylbenzene	ND		10	6.8	ug/L			07/14/21 18:01	20
Tetrachloroethene	ND		10	5.8	ug/L			07/14/21 18:01	20
Trichloroethene	ND		10	5.8	ug/L			07/14/21 18:01	20
Trichlorofluoromethane	ND		10	5.9	ug/L			07/14/21 18:01	20
Vinyl chloride	ND		10	8.0	ug/L			07/14/21 18:01	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 135*		*07/14/21 18:01*	*20*
4-Bromofluorobenzene (Surr)	*99*		*71 - 120*		*07/14/21 18:01*	*20*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/14/21 18:01*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/14/21 18:01*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.14**	**J**	0.19	0.092	ug/L		07/02/21 09:15	07/07/21 21:30	1
Acenaphthylene	**0.073**	**J**	0.19	0.066	ug/L		07/02/21 09:15	07/07/21 21:30	1
Anthracene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 21:30	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		07/02/21 09:15	07/07/21 21:30	1

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: MW17
Date Collected: 06/30/21 12:19
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	ND		0.19	0.059	ug/L		07/02/21 09:15	07/07/21 21:30	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 21:30	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/02/21 09:15	07/07/21 21:30	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/02/21 09:15	07/07/21 21:30	1
Chrysene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 21:30	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 21:30	1
Fluoranthene	ND		0.19	0.064	ug/L		07/02/21 09:15	07/07/21 21:30	1
Fluorene	**0.97**		0.19	0.071	ug/L		07/02/21 09:15	07/07/21 21:30	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/02/21 09:15	07/07/21 21:30	1
Phenanthrene	**0.62**		0.19	0.069	ug/L		07/02/21 09:15	07/07/21 21:30	1
Pyrene	ND		0.19	0.063	ug/L		07/02/21 09:15	07/07/21 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*76*		*33 - 144*	*07/02/21 09:15*	*07/07/21 21:30*	*1*
Nitrobenzene-d5 (Surr)	*88*		*28 - 139*	*07/02/21 09:15*	*07/07/21 21:30*	*1*
p-Terphenyl-d14 (Surr)	*68*		*23 - 160*	*07/02/21 09:15*	*07/07/21 21:30*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**23**		1.9	0.69	ug/L		07/02/21 09:15	07/08/21 13:37	10
2-Methylnaphthalene	**25**		1.9	0.73	ug/L		07/02/21 09:15	07/08/21 13:37	10
Naphthalene	**58**		1.9	0.79	ug/L		07/02/21 09:15	07/08/21 13:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*71*		*33 - 144*	*07/02/21 09:15*	*07/08/21 13:37*	*10*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*07/02/21 09:15*	*07/08/21 13:37*	*10*
p-Terphenyl-d14 (Surr)	*57*		*23 - 160*	*07/02/21 09:15*	*07/08/21 13:37*	*10*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/06/21 11:30	07/06/21 14:33	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0259**	**J**	0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:11	1
Barium	**13.1**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:11	1
Cadmium	**0.00417**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:11	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:11	1
Lead	ND		0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:11	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:11	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**1040**		5.00	1.69	mg/L			07/14/21 15:10	1
Total Dissolved Solids	**920**		1.00	0.870	mg/L			07/06/21 18:49	1
Chloride	**6.85**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: Trip Blank

Date Collected: 06/30/21 00:00
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/12/21 18:53	1
Toluene	ND		0.50	0.33	ug/L			07/12/21 18:53	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/12/21 18:53	1
o-Xylene	ND		0.50	0.35	ug/L			07/12/21 18:53	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/12/21 18:53	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/12/21 18:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/12/21 18:53	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/12/21 18:53	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/12/21 18:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/12/21 18:53	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/12/21 18:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/12/21 18:53	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/12/21 18:53	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/12/21 18:53	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/12/21 18:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/12/21 18:53	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/12/21 18:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/12/21 18:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/12/21 18:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/12/21 18:53	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/12/21 18:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/12/21 18:53	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/12/21 18:53	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/12/21 18:53	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/12/21 18:53	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/12/21 18:53	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/12/21 18:53	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/12/21 18:53	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/12/21 18:53	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/12/21 18:53	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/12/21 18:53	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/12/21 18:53	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/12/21 18:53	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/12/21 18:53	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/12/21 18:53	1
Bromobenzene	ND		0.50	0.26	ug/L			07/12/21 18:53	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/12/21 18:53	1
Bromoform	ND		0.50	0.39	ug/L			07/12/21 18:53	1
Bromomethane	ND		1.0	0.93	ug/L			07/12/21 18:53	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/12/21 18:53	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/12/21 18:53	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/12/21 18:53	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/12/21 18:53	1
Chloroethane	ND		0.50	0.44	ug/L			07/12/21 18:53	1
Chloroform	ND		0.50	0.28	ug/L			07/12/21 18:53	1
Chloromethane	ND		1.0	0.29	ug/L			07/12/21 18:53	1
Dibromomethane	ND		0.50	0.23	ug/L			07/12/21 18:53	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/12/21 18:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 18:53	1

Client Sample Results

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

Job ID: 570-63319-1

Client Sample ID: Trip Blank

Date Collected: 06/30/21 00:00
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-4

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		0.50	0.14	ug/L			07/12/21 18:53	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/12/21 18:53	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/12/21 18:53	1
2-Butanone	ND		5.0	3.0	ug/L			07/12/21 18:53	1
2-Hexanone	ND		6.0	4.3	ug/L			07/12/21 18:53	1
Naphthalene	ND		1.0	0.32	ug/L			07/12/21 18:53	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/12/21 18:53	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/12/21 18:53	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/12/21 18:53	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 18:53	1
Styrene	ND		0.50	0.28	ug/L			07/12/21 18:53	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 18:53	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/12/21 18:53	1
Trichloroethene	ND		0.50	0.29	ug/L			07/12/21 18:53	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/12/21 18:53	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/12/21 18:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*		*07/12/21 18:53*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*07/12/21 18:53*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*07/12/21 18:53*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/12/21 18:53*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		8.0	4.0	ug/L			07/14/21 13:49	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 13:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 135*		*07/14/21 13:49*	*1*
4-Bromofluorobenzene (Surr)	*85*		*71 - 120*		*07/14/21 13:49*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*07/14/21 13:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/14/21 13:49*	*1*

Surrogate Summary

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

Job ID: 570-63319-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-135)	(71-120)	(80-120)	(80-120)
570-63319-1	MW29	94	96	103	100
570-63319-1 - RA	MW29	114	84	113	100
570-63319-2	MW28	98	92	107	98
570-63319-2 - RA	MW28	115	87	116	100
570-63319-3	MW17	108	99	106	100
570-63319-4	Trip Blank	94	93	105	100
570-63319-4 - RA	Trip Blank	106	85	111	98
LCS 570-163261/4	Lab Control Sample	94	94	97	98
LCS 570-163843/3	Lab Control Sample	101	101	104	101
LCSD 570-163261/5	Lab Control Sample Dup	97	94	102	96
LCSD 570-163843/4	Lab Control Sample Dup	103	103	103	98
MB 570-163261/7	Method Blank	92	93	102	100
MB 570-163843/8	Method Blank	106	90	106	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)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-63319-1	MW29	70	75	74
570-63319-2	MW28	61	65	70
570-63319-3	MW17	76	88	68
570-63319-3 - DL	MW17	71	75	57
LCS 570-161224/2-A	Lab Control Sample	69	90	67
LCSD 570-161224/3-A	Lab Control Sample Dup	70	94	65
MB 570-161224/1-A	Method Blank	61	76	58

Surrogate Legend

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

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: MB 570-163261/7
Matrix: Water
Analysis Batch: 163261

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	0.27	ug/L			07/12/21 12:28	1
Toluene	ND		0.50	0.33	ug/L			07/12/21 12:28	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/12/21 12:28	1
o-Xylene	ND		0.50	0.35	ug/L			07/12/21 12:28	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/12/21 12:28	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/12/21 12:28	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/12/21 12:28	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/12/21 12:28	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/12/21 12:28	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/12/21 12:28	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/12/21 12:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/12/21 12:28	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/12/21 12:28	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/12/21 12:28	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/12/21 12:28	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/12/21 12:28	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/12/21 12:28	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/12/21 12:28	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/12/21 12:28	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/12/21 12:28	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/12/21 12:28	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/12/21 12:28	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/12/21 12:28	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/12/21 12:28	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/12/21 12:28	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/12/21 12:28	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/12/21 12:28	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/12/21 12:28	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/12/21 12:28	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/12/21 12:28	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/12/21 12:28	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/12/21 12:28	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/12/21 12:28	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/12/21 12:28	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/12/21 12:28	1
Acetone	ND		8.0	4.0	ug/L			07/12/21 12:28	1
Bromobenzene	ND		0.50	0.26	ug/L			07/12/21 12:28	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/12/21 12:28	1
Bromoform	ND		0.50	0.39	ug/L			07/12/21 12:28	1
Bromomethane	ND		1.0	0.93	ug/L			07/12/21 12:28	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/12/21 12:28	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/12/21 12:28	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/12/21 12:28	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/12/21 12:28	1
Chloroethane	ND		0.50	0.44	ug/L			07/12/21 12:28	1
Chloroform	ND		0.50	0.28	ug/L			07/12/21 12:28	1
Chloromethane	ND		1.0	0.29	ug/L			07/12/21 12:28	1
Dibromomethane	ND		0.50	0.23	ug/L			07/12/21 12:28	1

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: MB 570-163261/7
Matrix: Water
Analysis Batch: 163261

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	0.22	ug/L			07/12/21 12:28	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/12/21 12:28	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/12/21 12:28	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/12/21 12:28	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/12/21 12:28	1
2-Butanone	ND		5.0	3.0	ug/L			07/12/21 12:28	1
Methylene Chloride	0.9679	J	1.0	0.48	ug/L			07/12/21 12:28	1
2-Hexanone	ND		6.0	4.3	ug/L			07/12/21 12:28	1
Naphthalene	ND		1.0	0.32	ug/L			07/12/21 12:28	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/12/21 12:28	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/12/21 12:28	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/12/21 12:28	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 12:28	1
Styrene	ND		0.50	0.28	ug/L			07/12/21 12:28	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/12/21 12:28	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/12/21 12:28	1
Trichloroethene	ND		0.50	0.29	ug/L			07/12/21 12:28	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/12/21 12:28	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/12/21 12:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 135*		*07/12/21 12:28*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*07/12/21 12:28*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/12/21 12:28*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/12/21 12:28*	*1*

Lab Sample ID: LCS 570-163261/4
Matrix: Water
Analysis Batch: 163261

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	9.294		ug/L		93	80 - 120
Toluene	10.0	9.456		ug/L		95	80 - 120
Ethylbenzene	10.0	9.516		ug/L		95	80 - 120
o-Xylene	10.0	9.358		ug/L		94	80 - 122
m,p-Xylene	20.0	19.27		ug/L		96	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	9.922		ug/L		99	72 - 120
1,1-Dichloroethene	10.0	9.908		ug/L		99	72 - 120
1,2-Dichlorobenzene	10.0	10.15		ug/L		101	79 - 123
1,2-Dichloroethane	10.0	10.44		ug/L		104	71 - 137
Carbon tetrachloride	10.0	11.22		ug/L		112	69 - 145
Chlorobenzene	10.0	10.28		ug/L		103	80 - 120
1,2-Dibromoethane	10.0	10.48		ug/L		105	80 - 120
Hexachloro-1,3-butadiene	10.0	11.03		ug/L		110	76 - 141
Trichloroethene	10.0	10.08		ug/L		101	80 - 123
Vinyl chloride	10.0	9.256		ug/L		93	74 - 130

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: LCS 570-163261/4
Matrix: Water
Analysis Batch: 163261

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*
4-Bromofluorobenzene (Surr)	*94*		*71 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-163261/5
Matrix: Water
Analysis Batch: 163261

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	9.625		ug/L		96	80 - 120	3	20
Toluene			10.0	10.13		ug/L		101	80 - 120	7	20
Ethylbenzene			10.0	10.11		ug/L		101	80 - 120	6	20
o-Xylene			10.0	9.972		ug/L		100	80 - 122	6	20
m,p-Xylene			20.0	20.28		ug/L		101	80 - 122	5	20
Methyl-t-Butyl Ether (MTBE)			10.0	10.37		ug/L		104	72 - 120	4	20
1,1-Dichloroethene			10.0	10.92		ug/L		109	72 - 120	10	20
1,2-Dichlorobenzene			10.0	10.72		ug/L		107	79 - 123	5	20
1,2-Dichloroethane			10.0	10.52		ug/L		105	71 - 137	1	20
Carbon tetrachloride			10.0	12.12		ug/L		121	69 - 145	8	20
Chlorobenzene			10.0	10.91		ug/L		109	80 - 120	6	20
1,2-Dibromoethane			10.0	10.71		ug/L		107	80 - 120	2	20
Hexachloro-1,3-butadiene			10.0	11.92		ug/L		119	76 - 141	8	23
Trichloroethene			10.0	10.50		ug/L		105	80 - 123	4	20
Vinyl chloride			10.0	10.42		ug/L		104	74 - 130	12	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 135*
4-Bromofluorobenzene (Surr)	*94*		*71 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*96*		*80 - 120*

Lab Sample ID: MB 570-163843/8
Matrix: Water
Analysis Batch: 163843

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	0.27	ug/L			07/14/21 13:05	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 13:05	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 13:05	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 13:05	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 13:05	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 13:05	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 13:05	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 13:05	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 13:05	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 13:05	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 13:05	1

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: MB 570-163843/8
Matrix: Water
Analysis Batch: 163843

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 13:05	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 13:05	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 13:05	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 13:05	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 13:05	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 13:05	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 13:05	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 13:05	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 13:05	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 13:05	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 13:05	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 13:05	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 13:05	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 13:05	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 13:05	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 13:05	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 13:05	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 13:05	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 13:05	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 13:05	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 13:05	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 13:05	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 13:05	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 13:05	1
Acetone	ND		8.0	4.0	ug/L			07/14/21 13:05	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 13:05	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 13:05	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 13:05	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 13:05	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 13:05	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 13:05	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 13:05	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 13:05	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 13:05	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 13:05	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 13:05	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 13:05	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/14/21 13:05	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/21 13:05	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 13:05	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 13:05	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/14/21 13:05	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 13:05	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 13:05	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 13:05	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 13:05	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 13:05	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 13:05	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 13:05	1

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: MB 570-163843/8
Matrix: Water
Analysis Batch: 163843

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 13:05	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 13:05	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 13:05	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 13:05	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 13:05	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 13:05	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 13:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 135*		*07/14/21 13:05*	*1*
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*07/14/21 13:05*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/14/21 13:05*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/14/21 13:05*	*1*

Lab Sample ID: LCS 570-163843/3
Matrix: Water
Analysis Batch: 163843

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	9.688		ug/L		97	80 - 120
Toluene	10.0	9.368		ug/L		94	80 - 120
Ethylbenzene	10.0	9.625		ug/L		96	80 - 120
o-Xylene	10.0	9.581		ug/L		96	80 - 122
m,p-Xylene	20.0	18.36		ug/L		92	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	9.133		ug/L		91	72 - 120
1,1-Dichloroethene	10.0	8.696		ug/L		87	72 - 120
1,2-Dichlorobenzene	10.0	10.13		ug/L		101	79 - 123
1,2-Dichloroethane	10.0	9.645		ug/L		96	71 - 137
Carbon tetrachloride	10.0	9.464		ug/L		95	69 - 145
Chlorobenzene	10.0	9.744		ug/L		97	80 - 120
1,2-Dibromoethane	10.0	9.620		ug/L		96	80 - 120
Hexachloro-1,3-butadiene	10.0	9.427		ug/L		94	76 - 141
Trichloroethene	10.0	9.335		ug/L		93	80 - 123
Vinyl chloride	10.0	8.576		ug/L		86	74 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*68 - 135*
4-Bromofluorobenzene (Surr)	*101*		*71 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 570-163843/4
Matrix: Water
Analysis Batch: 163843

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	9.980		ug/L		100	80 - 120	3	20
Toluene	10.0	9.937		ug/L		99	80 - 120	6	20

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: LCSD 570-163843/4
Matrix: Water
Analysis Batch: 163843

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
Ethylbenzene			10.0	10.09		ug/L		101	80 - 120	5	20
o-Xylene			10.0	10.08		ug/L		101	80 - 122	5	20
m,p-Xylene			20.0	19.42		ug/L		97	80 - 122	6	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.642		ug/L		96	72 - 120	5	20
1,1-Dichloroethene			10.0	9.541		ug/L		95	72 - 120	9	20
1,2-Dichlorobenzene			10.0	10.73		ug/L		107	79 - 123	6	20
1,2-Dichloroethane			10.0	9.614		ug/L		96	71 - 137	0	20
Carbon tetrachloride			10.0	10.32		ug/L		103	69 - 145	9	20
Chlorobenzene			10.0	10.18		ug/L		102	80 - 120	4	20
1,2-Dibromoethane			10.0	10.13		ug/L		101	80 - 120	5	20
Hexachloro-1,3-butadiene			10.0	10.06		ug/L		101	76 - 141	7	23
Trichloroethene			10.0	9.822		ug/L		98	80 - 123	5	20
Vinyl chloride			10.0	9.294		ug/L		93	74 - 130	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 135*
4-Bromofluorobenzene (Surr)	*103*		*71 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 570-161224/1-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		07/01/21 10:01	07/01/21 16:02	1
Acenaphthylene	ND		0.20	0.069	ug/L		07/01/21 10:01	07/01/21 16:02	1
Anthracene	ND		0.20	0.059	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		07/01/21 10:01	07/01/21 16:02	1
Chrysene	ND		0.20	0.059	ug/L		07/01/21 10:01	07/01/21 16:02	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		07/01/21 10:01	07/01/21 16:02	1
Fluoranthene	ND		0.20	0.068	ug/L		07/01/21 10:01	07/01/21 16:02	1
Fluorene	ND		0.20	0.075	ug/L		07/01/21 10:01	07/01/21 16:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		07/01/21 10:01	07/01/21 16:02	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		07/01/21 10:01	07/01/21 16:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/01/21 10:01	07/01/21 16:02	1
Naphthalene	ND		0.20	0.083	ug/L		07/01/21 10:01	07/01/21 16:02	1
Phenanthrene	ND		0.20	0.073	ug/L		07/01/21 10:01	07/01/21 16:02	1
Pyrene	ND		0.20	0.066	ug/L		07/01/21 10:01	07/01/21 16:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*61*		*33 - 144*	*07/01/21 10:01*	*07/01/21 16:02*	*1*

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QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: MB 570-161224/1-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161224

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	76		28 - 139	07/01/21 10:01	07/01/21 16:02	1
p-Terphenyl-d14 (Surr)	58		23 - 160	07/01/21 10:01	07/01/21 16:02	1

Lab Sample ID: LCS 570-161224/2-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.321		ug/L		66	55 - 121
Acenaphthylene	2.00	1.538		ug/L		77	33 - 145
Anthracene	2.00	1.417		ug/L		71	27 - 133
Benzo[a]anthracene	2.00	1.369		ug/L		68	33 - 143
Benzo[a]pyrene	2.00	1.374		ug/L		69	17 - 163
Benzo[b]fluoranthene	2.00	1.259		ug/L		63	24 - 159
Benzo[g,h,i]perylene	2.00	1.243		ug/L		62	25 - 157
Benzo[k]fluoranthene	2.00	1.311		ug/L		66	24 - 159
Chrysene	2.00	1.321		ug/L		66	17 - 168
Dibenz(a,h)anthracene	2.00	1.230		ug/L		62	25 - 175
Fluoranthene	2.00	1.376		ug/L		69	26 - 137
Fluorene	2.00	1.433		ug/L		72	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.220		ug/L		61	25 - 175
1-Methylnaphthalene	2.00	1.249		ug/L		62	20 - 140
2-Methylnaphthalene	2.00	1.245		ug/L		62	21 - 140
Naphthalene	2.00	1.171		ug/L		59	21 - 133
Phenanthrene	2.00	1.337		ug/L		67	54 - 120
Pyrene	2.00	1.539		ug/L		77	45 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	69		33 - 144
Nitrobenzene-d5 (Surr)	90		28 - 139
p-Terphenyl-d14 (Surr)	67		23 - 160

Lab Sample ID: LCSD 570-161224/3-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161224

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.00	1.333		ug/L		67	55 - 121	1	25
Acenaphthylene	2.00	1.538		ug/L		77	33 - 145	0	25
Anthracene	2.00	1.434		ug/L		72	27 - 133	1	25
Benzo[a]anthracene	2.00	1.372		ug/L		69	33 - 143	0	25
Benzo[a]pyrene	2.00	1.379		ug/L		69	17 - 163	0	25
Benzo[b]fluoranthene	2.00	1.277		ug/L		64	24 - 159	1	25
Benzo[g,h,i]perylene	2.00	1.271		ug/L		64	25 - 157	2	25
Benzo[k]fluoranthene	2.00	1.298		ug/L		65	24 - 159	1	25
Chrysene	2.00	1.324		ug/L		66	17 - 168	0	25
Dibenz(a,h)anthracene	2.00	1.290		ug/L		64	25 - 175	5	25
Fluoranthene	2.00	1.361		ug/L		68	26 - 137	1	25

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: LCSD 570-161224/3-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluorene			2.00	1.448		ug/L		72	59 - 121	1	25
Indeno[1,2,3-cd]pyrene			2.00	1.261		ug/L		63	25 - 175	3	25
1-Methylnaphthalene			2.00	1.278		ug/L		64	20 - 140	2	25
2-Methylnaphthalene			2.00	1.280		ug/L		64	21 - 140	3	25
Naphthalene			2.00	1.234		ug/L		62	21 - 133	5	25
Phenanthrene			2.00	1.364		ug/L		68	54 - 120	2	25
Pyrene			2.00	1.534		ug/L		77	45 - 129	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*33 - 144*
Nitrobenzene-d5 (Surr)	*94*		*28 - 139*
p-Terphenyl-d14 (Surr)	*65*		*23 - 160*

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-162098/1-A
Matrix: Water
Analysis Batch: 162122

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 162098

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/06/21 11:30	07/06/21 13:41	1

Lab Sample ID: LCS 570-162098/2-A
Matrix: Water
Analysis Batch: 162122

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 162098

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.0100	0.01013		mg/L		101	85 - 115		

Lab Sample ID: LCSD 570-162098/3-A
Matrix: Water
Analysis Batch: 162122

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 162098

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.0100	0.01014		mg/L		101	85 - 115	0	10

Lab Sample ID: 570-63066-G-6-D MS
Matrix: Water
Analysis Batch: 162122

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 162098

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	ND		0.0100	0.009216		mg/L		92	70 - 130		

Lab Sample ID: 570-63066-G-6-E MSD
Matrix: Water
Analysis Batch: 162122

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 162098

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.008425		mg/L		84	70 - 130	9	10

QC Sample Results

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

Job ID: 570-63319-1

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-63351-E-2-B MS
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 162120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5210		mg/L		104	80 - 140
Barium	0.0466		0.500	0.6136		mg/L		113	87 - 123
Cadmium	0.00629	J	0.500	0.5191		mg/L		103	82 - 124
Chromium	0.0177	J	0.500	0.5557		mg/L		108	86 - 122
Lead	0.0133	J	0.500	0.4912		mg/L		96	84 - 120
Selenium	ND		0.500	0.4908		mg/L		98	79 - 127
Silver	ND		0.250	0.2442		mg/L		98	86 - 128

Lab Sample ID: 570-63351-E-2-C MSD
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 162120

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5209		mg/L		104	80 - 140	0	11
Barium	0.0466		0.500	0.6141		mg/L		113	87 - 123	0	6
Cadmium	0.00629	J	0.500	0.5178		mg/L		102	82 - 124	0	7
Chromium	0.0177	J	0.500	0.5554		mg/L		108	86 - 122	0	8
Lead	0.0133	J	0.500	0.4875		mg/L		95	84 - 120	1	7
Selenium	ND		0.500	0.5243		mg/L		105	79 - 127	7	9
Silver	ND		0.250	0.2450		mg/L		98	86 - 128	0	7

Lab Sample ID: MB 570-162120/1-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 10:33	1
Barium	ND		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 10:33	1
Cadmium	ND		0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 10:33	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 10:33	1
Lead	ND		0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 10:33	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 10:33	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 10:33	1

Lab Sample ID: LCS 570-162120/2-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.5240		mg/L		105	80 - 120
Barium	0.500	0.5842		mg/L		117	80 - 120
Cadmium	0.500	0.5488		mg/L		110	80 - 120
Chromium	0.500	0.5564		mg/L		111	80 - 120
Lead	0.500	0.5317		mg/L		106	80 - 120
Selenium	0.500	0.5391		mg/L		108	80 - 120
Silver	0.250	0.2853		mg/L		114	80 - 120

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: LCSD 570-162120/3-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.500	0.5355		mg/L		107	80 - 120	2	20
Barium			0.500	0.5778		mg/L		116	80 - 120	1	20
Cadmium			0.500	0.5445		mg/L		109	80 - 120	1	20
Chromium			0.500	0.5506		mg/L		110	80 - 120	1	20
Lead			0.500	0.5274		mg/L		105	80 - 120	1	20
Selenium			0.500	0.5308		mg/L		106	80 - 120	2	20
Silver			0.250	0.2838		mg/L		114	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-164160/12
Matrix: Water
Analysis Batch: 164160

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			07/14/21 09:41	1

Lab Sample ID: LCS 570-164160/10
Matrix: Water
Analysis Batch: 164160

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	96.01		mg/L		96	80 - 120		

Lab Sample ID: LCSD 570-164160/11
Matrix: Water
Analysis Batch: 164160

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	95.91		mg/L		96	80 - 120	0	20

Lab Sample ID: 570-63319-1 DU
Matrix: Water
Analysis Batch: 164160

Client Sample ID: MW29
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total (As CaCO3)	182			184.1		mg/L				0.9	25

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

Lab Sample ID: MB 570-162345/1
Matrix: Water
Analysis Batch: 162345

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		0.400	0.348	mg/L			07/06/21 18:49	1

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: LCS 570-162345/2
Matrix: Water
Analysis Batch: 162345

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	100.0		mg/L		100	84 - 108		

Lab Sample ID: LCSD 570-162345/3
Matrix: Water
Analysis Batch: 162345

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	95.00		mg/L		95	84 - 108	5	10

Lab Sample ID: 570-63184-G-4 DU
Matrix: Water
Analysis Batch: 162345

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	900			905.0		mg/L				0.6	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-164357/1
Matrix: Water
Analysis Batch: 164357

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	0.596	mg/L			07/15/21 21:21	1

Lab Sample ID: LCS 570-164357/2
Matrix: Water
Analysis Batch: 164357

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	105.1		mg/L		105	80 - 120		

Lab Sample ID: LCSD 570-164357/3
Matrix: Water
Analysis Batch: 164357

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	104.3		mg/L		104	80 - 120	1	10

Lab Sample ID: 570-63822-C-1 MS
Matrix: Water
Analysis Batch: 164357

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	997		5000	6182		mg/L		104	75 - 125		

QC Sample Results

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

Job ID: 570-63319-1

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

Lab Sample ID: 570-63822-C-1 MSD
Matrix: Water
Analysis Batch: 164357

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	997		5000	6161		mg/L		103	75 - 125	0	15

Lab Sample ID: 570-63822-C-1 DU
Matrix: Water
Analysis Batch: 164357

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	997			961.5		mg/L				4	15

QC Association Summary

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

Job ID: 570-63319-1

GC/MS VOA

Analysis Batch: 163261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	8260B	
570-63319-2	MW28	Total/NA	Water	8260B	
570-63319-4	Trip Blank	Total/NA	Water	8260B	
MB 570-163261/7	Method Blank	Total/NA	Water	8260B	
LCS 570-163261/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-163261/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 163843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1 - RA	MW29	Total/NA	Water	8260B	
570-63319-2 - RA	MW28	Total/NA	Water	8260B	
570-63319-3	MW17	Total/NA	Water	8260B	
570-63319-4 - RA	Trip Blank	Total/NA	Water	8260B	
MB 570-163843/8	Method Blank	Total/NA	Water	8260B	
LCS 570-163843/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-163843/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 161224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	3510C	
570-63319-2	MW28	Total/NA	Water	3510C	
570-63319-3	MW17	Total/NA	Water	3510C	
570-63319-3 - DL	MW17	Total/NA	Water	3510C	
MB 570-161224/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-161224/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-161224/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 161225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-161224/1-A	Method Blank	Total/NA	Water	8270C SIM	161224
LCS 570-161224/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	161224
LCSD 570-161224/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	161224

Analysis Batch: 162334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	8270C SIM	161224
570-63319-2	MW28	Total/NA	Water	8270C SIM	161224
570-63319-3	MW17	Total/NA	Water	8270C SIM	161224

Analysis Batch: 162712

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-3 - DL	MW17	Total/NA	Water	8270C SIM	161224

Metals

Prep Batch: 162098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	245.1	
570-63319-2	MW28	Total/NA	Water	245.1	
570-63319-3	MW17	Total/NA	Water	245.1	

QC Association Summary

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

Job ID: 570-63319-1

Metals (Continued)

Prep Batch: 162098 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-162098/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-162098/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-162098/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-63066-G-6-D MS	Matrix Spike	Total/NA	Water	245.1	
570-63066-G-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Prep Batch: 162120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	3005A	
570-63319-2	MW28	Total/NA	Water	3005A	
570-63319-3	MW17	Total/NA	Water	3005A	
MB 570-162120/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-162120/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-162120/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-63351-E-2-B MS	Matrix Spike	Total/NA	Water	3005A	
570-63351-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 162122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	245.1	162098
570-63319-2	MW28	Total/NA	Water	245.1	162098
570-63319-3	MW17	Total/NA	Water	245.1	162098
MB 570-162098/1-A	Method Blank	Total/NA	Water	245.1	162098
LCS 570-162098/2-A	Lab Control Sample	Total/NA	Water	245.1	162098
LCSD 570-162098/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	162098
570-63066-G-6-D MS	Matrix Spike	Total/NA	Water	245.1	162098
570-63066-G-6-E MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	162098

Analysis Batch: 163054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	6010B	162120
570-63319-2	MW28	Total/NA	Water	6010B	162120
570-63319-3	MW17	Total/NA	Water	6010B	162120
MB 570-162120/1-A	Method Blank	Total Recoverable	Water	6010B	162120
LCS 570-162120/2-A	Lab Control Sample	Total Recoverable	Water	6010B	162120
LCSD 570-162120/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	162120
570-63351-E-2-B MS	Matrix Spike	Total/NA	Water	6010B	162120
570-63351-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	162120

General Chemistry

Analysis Batch: 162345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	SM 2540C	
570-63319-2	MW28	Total/NA	Water	SM 2540C	
570-63319-3	MW17	Total/NA	Water	SM 2540C	
MB 570-162345/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-162345/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-162345/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-63184-G-4 DU	Duplicate	Total/NA	Water	SM 2540C	

QC Association Summary

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

Job ID: 570-63319-1

General Chemistry

Analysis Batch: 164160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	SM 2320B	
570-63319-2	MW28	Total/NA	Water	SM 2320B	
570-63319-3	MW17	Total/NA	Water	SM 2320B	
MB 570-164160/12	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-164160/10	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-164160/11	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-63319-1 DU	MW29	Total/NA	Water	SM 2320B	

Analysis Batch: 164357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63319-1	MW29	Total/NA	Water	SM 4500 Cl- C	
570-63319-2	MW28	Total/NA	Water	SM 4500 Cl- C	
570-63319-3	MW17	Total/NA	Water	SM 4500 Cl- C	
MB 570-164357/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-164357/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-164357/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

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

Job ID: 570-63319-1

Client Sample ID: MW29

Date Collected: 06/30/21 08:49
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-1
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	RA	1	20 mL	20 mL	163843	07/14/21 17:05	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B		1	20 mL	20 mL	163261	07/12/21 19:52	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1047.9 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162334	07/07/21 20:45	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			50 mL	100 mL	162098	07/06/21 11:30	B4SY	ECL 1
Total/NA	Analysis	245.1		1			162122	07/06/21 14:30	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:06	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 14:49	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162345	07/06/21 18:49	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: MW28

Date Collected: 06/30/21 09:47
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-2
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	RA	1	20 mL	20 mL	163843	07/14/21 17:33	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B		1	20 mL	20 mL	163261	07/12/21 20:22	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1053.8 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162334	07/07/21 21:07	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			50 mL	100 mL	162098	07/06/21 11:30	B4SY	ECL 1
Total/NA	Analysis	245.1		1			162122	07/06/21 14:32	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:09	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 15:02	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162345	07/06/21 18:49	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

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

Job ID: 570-63319-1

Client Sample ID: MW17

Date Collected: 06/30/21 12:19
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	20 mL	20 mL	163843	07/14/21 18:01	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1051.5 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162334	07/07/21 21:30	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	3510C	DL		1051.5 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM	DL	10			162712	07/08/21 13:37	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			50 mL	100 mL	162098	07/06/21 11:30	B4SY	ECL 1
Total/NA	Analysis	245.1		1			162122	07/06/21 14:33	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:11	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 15:10	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162345	07/06/21 18:49	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: Trip Blank

Date Collected: 06/30/21 00:00
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63319-4

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	RA	1	20 mL	20 mL	163843	07/14/21 13:49	UJHB	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B		1	20 mL	20 mL	163261	07/12/21 18:53	OH1	ECL 2
	Instrument ID: GCMSWW									

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: 570-63319-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

Method Summary

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

Job ID: 570-63319-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
245.1	Mercury (CVAA)	EPA	ECL 1
6010B	Metals (ICP)	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
245.1	Preparation, Mercury	EPA	ECL 1
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

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

63319

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 / 3612

CHAIN OF CUSTODY RECORD

DATE: 06/30/21

PAGE: 1 of 1

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno

ADDRESS: 4572 Telephone Road #916

CITY: Ventura, CA 93003

TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@cardno.com

GLOBAL ID #/ COELT LOG CODE.

EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson

SAMPLER(S):

LAB USE ONLY

COOLER RECEIPT Temp = _____ °C

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

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

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr Pb Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
13	MW29	MW29	06/30/21	08:49	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, [illegible] Plastic
14	MW28	MW28	06/30/21	09:47	W	7	Y	Y	Y	Y	Y	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3 250mL Plastic, [illegible]
15	MW17	MW17	06/30/21	12:19	W	7	Y	Y	Y	Y	Y	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, [illegible]
~~16~~					~~W~~	~~7~~						~~3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, TL Plastic~~
17	Trip Blank	QCTB	06/30/21	—	W	2 3	X					2 3 vials with HCL

570-63319 Chain of Custody

CONTAINER TYPE

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature) (FedEx)	Received by: (Signature)	Date & Time: 7/1/21 10:40
Relinquished by: (Signature) [illegible]	Received by: (Signature)	Date, & Time:

2-9/2-5 SCL

7/16/2021

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-63319-1

Login Number: 63319
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

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?	False	Refer to Job Narrative for details.
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 570-63320-1
Client Project/Site: ExxonMobil Gladiola Station/3612

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

Attn: Mr. James Anderson

Authorized for release by:
7/19/2021 5:14:43 PM

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

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

Laboratory Job ID: 570-63320-1

Table of Contents

Sample Summary

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

Job ID: 570-63320-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-63320-1	MW30	Water	06/30/21 08:02	07/01/21 10:40	
570-63320-2	MW27	Water	06/30/21 10:31	07/01/21 10:40	
570-63320-3	MW32	Water	06/30/21 11:23	07/01/21 10:40	

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-63320-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD recovery exceeds control limits.
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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/3612

Job ID: 570-63320-1

Job ID: 570-63320-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-63320-1

Comments
No additional comments.

Receipt
The samples were received on 7/1/2021 10:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

Receipt Exceptions

The Field Sampler was not listed on the Chain of Custody.

GC/MS VOA
Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-163561.

Method 8260B: The method blank for analytical batch 570-163561 contained Methylene Chloride above the method detection limit. This target analyte concentration was greater than half the reporting limit (RL); therefore, re-analysis of samples was performed.

Method 8260B: Reanalysis of the following samples were performed outside of the analytical holding time for Methylene Chloride: MW30 (570-63320-1), MW27 (570-63320-2) and MW32 (570-63320-3). The reanalysis confirmed that there was no Methylene Cloride detection in the samples and Method Blank.

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.

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 570-161224. LCS/LCSD was performed to meet QC requirement.

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.

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

Detection Summary

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

Job ID: 570-63320-1

Client Sample ID: MW30 — Lab Sample ID: 570-63320-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.99	J B	1.0	0.48	ug/L	1		8260B	Total/NA
Barium	0.0576		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00238	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0141	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	169		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	720		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	151		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW27 — Lab Sample ID: 570-63320-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.0	J	8.0	4.0	ug/L	1		8260B	Total/NA
Methylene Chloride	0.95	J B	1.0	0.48	ug/L	1		8260B	Total/NA
Barium	0.0662		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00219	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0176	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	178		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1050		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	145		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW32 — Lab Sample ID: 570-63320-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.97		0.50	0.27	ug/L	1		8260B	Total/NA
Acetone	4.0	J	8.0	4.0	ug/L	1		8260B	Total/NA
Methylene Chloride	1.0	B	1.0	0.48	ug/L	1		8260B	Total/NA
Naphthalene	0.55	J	1.0	0.32	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.49	J	0.50	0.28	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.0		0.50	0.34	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.79		0.50	0.34	ug/L	1		8260B	Total/NA
Fluorene	0.39		0.19	0.072	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.80		0.19	0.070	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.23		0.19	0.074	ug/L	1		8270C SIM	Total/NA
Naphthalene	0.29		0.19	0.079	ug/L	1		8270C SIM	Total/NA
Barium	0.353		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00258	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0122	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	509		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	575		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	33.1		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW30

Date Collected: 06/30/21 08:02
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/13/21 19:15	1
Toluene	ND		0.50	0.33	ug/L			07/13/21 19:15	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/13/21 19:15	1
o-Xylene	ND		0.50	0.35	ug/L			07/13/21 19:15	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/13/21 19:15	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/13/21 19:15	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/13/21 19:15	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/13/21 19:15	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/13/21 19:15	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/13/21 19:15	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/13/21 19:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/13/21 19:15	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/13/21 19:15	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/13/21 19:15	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/13/21 19:15	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/13/21 19:15	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/13/21 19:15	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/13/21 19:15	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/13/21 19:15	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/13/21 19:15	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/13/21 19:15	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/13/21 19:15	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/13/21 19:15	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/13/21 19:15	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/13/21 19:15	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/13/21 19:15	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/13/21 19:15	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/13/21 19:15	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/13/21 19:15	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/13/21 19:15	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/13/21 19:15	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/13/21 19:15	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/13/21 19:15	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/13/21 19:15	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/13/21 19:15	1
Acetone	ND		8.0	4.0	ug/L			07/13/21 19:15	1
Bromobenzene	ND		0.50	0.26	ug/L			07/13/21 19:15	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/13/21 19:15	1
Bromoform	ND		0.50	0.39	ug/L			07/13/21 19:15	1
Bromomethane	ND		1.0	0.93	ug/L			07/13/21 19:15	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/13/21 19:15	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/13/21 19:15	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/13/21 19:15	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/13/21 19:15	1
Chloroethane	ND		0.50	0.44	ug/L			07/13/21 19:15	1
Chloroform	ND		0.50	0.28	ug/L			07/13/21 19:15	1
Chloromethane	ND		1.0	0.29	ug/L			07/13/21 19:15	1
Dibromomethane	ND		0.50	0.23	ug/L			07/13/21 19:15	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/13/21 19:15	1

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW30
Date Collected: 06/30/21 08:02
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-1
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	0.68	ug/L			07/13/21 19:15	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/13/21 19:15	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/13/21 19:15	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/13/21 19:15	1
2-Butanone	ND		5.0	3.0	ug/L			07/13/21 19:15	1
Methylene Chloride	**0.99**	**J B**	1.0	0.48	ug/L			07/13/21 19:15	1
2-Hexanone	ND		6.0	4.3	ug/L			07/13/21 19:15	1
Naphthalene	ND		1.0	0.32	ug/L			07/13/21 19:15	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/13/21 19:15	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/13/21 19:15	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/13/21 19:15	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/13/21 19:15	1
Styrene	ND		0.50	0.28	ug/L			07/13/21 19:15	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/13/21 19:15	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/13/21 19:15	1
Trichloroethene	ND		0.50	0.29	ug/L			07/13/21 19:15	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/13/21 19:15	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/13/21 19:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*68 - 135*		*07/13/21 19:15*	*1*
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*07/13/21 19:15*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/13/21 19:15*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/13/21 19:15*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	H	1.0	0.48	ug/L			07/17/21 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*		*07/17/21 04:06*	*1*
4-Bromofluorobenzene (Surr)	*89*		*71 - 120*		*07/17/21 04:06*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/17/21 04:06*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/17/21 04:06*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		07/02/21 09:15	07/07/21 21:53	1
Acenaphthylene	ND		0.19	0.066	ug/L		07/02/21 09:15	07/07/21 21:53	1
Anthracene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 21:53	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		07/02/21 09:15	07/07/21 21:53	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		07/02/21 09:15	07/07/21 21:53	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 21:53	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/02/21 09:15	07/07/21 21:53	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/02/21 09:15	07/07/21 21:53	1
Chrysene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 21:53	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 21:53	1
Fluoranthene	ND		0.19	0.065	ug/L		07/02/21 09:15	07/07/21 21:53	1
Fluorene	ND		0.19	0.071	ug/L		07/02/21 09:15	07/07/21 21:53	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/02/21 09:15	07/07/21 21:53	1

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW30

Date Collected: 06/30/21 08:02
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	ND		0.19	0.070	ug/L		07/02/21 09:15	07/07/21 21:53	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/02/21 09:15	07/07/21 21:53	1
Naphthalene	ND		0.19	0.079	ug/L		07/02/21 09:15	07/07/21 21:53	1
Phenanthrene	ND		0.19	0.070	ug/L		07/02/21 09:15	07/07/21 21:53	1
Pyrene	ND		0.19	0.063	ug/L		07/02/21 09:15	07/07/21 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*33 - 144*	*07/02/21 09:15*	*07/07/21 21:53*	*1*
Nitrobenzene-d5 (Surr)	*67*		*28 - 139*	*07/02/21 09:15*	*07/07/21 21:53*	*1*
p-Terphenyl-d14 (Surr)	*66*		*23 - 160*	*07/02/21 09:15*	*07/07/21 21:53*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:26	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:15	1
Barium	**0.0576**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:15	1
Cadmium	**0.00238**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:15	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:15	1
Lead	**0.0141**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:15	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:15	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**169**		5.00	1.69	mg/L			07/14/21 15:16	1
Total Dissolved Solids	**720**		1.00	0.870	mg/L			07/07/21 13:56	1
Chloride	**151**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample ID: MW27

Date Collected: 06/30/21 10:31
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/13/21 19:44	1
Toluene	ND		0.50	0.33	ug/L			07/13/21 19:44	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/13/21 19:44	1
o-Xylene	ND		0.50	0.35	ug/L			07/13/21 19:44	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/13/21 19:44	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/13/21 19:44	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/13/21 19:44	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/13/21 19:44	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/13/21 19:44	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/13/21 19:44	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/13/21 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/13/21 19:44	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/13/21 19:44	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/13/21 19:44	1

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW27

Date Collected: 06/30/21 10:31
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/13/21 19:44	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/13/21 19:44	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/13/21 19:44	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/13/21 19:44	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/13/21 19:44	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/13/21 19:44	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/13/21 19:44	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/13/21 19:44	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/13/21 19:44	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/13/21 19:44	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/13/21 19:44	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/13/21 19:44	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/13/21 19:44	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/13/21 19:44	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/13/21 19:44	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/13/21 19:44	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/13/21 19:44	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/13/21 19:44	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/13/21 19:44	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/13/21 19:44	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/13/21 19:44	1
Acetone	**4.0**	**J**	8.0	4.0	ug/L			07/13/21 19:44	1
Bromobenzene	ND		0.50	0.26	ug/L			07/13/21 19:44	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/13/21 19:44	1
Bromoform	ND		0.50	0.39	ug/L			07/13/21 19:44	1
Bromomethane	ND		1.0	0.93	ug/L			07/13/21 19:44	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/13/21 19:44	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/13/21 19:44	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/13/21 19:44	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/13/21 19:44	1
Chloroethane	ND		0.50	0.44	ug/L			07/13/21 19:44	1
Chloroform	ND		0.50	0.28	ug/L			07/13/21 19:44	1
Chloromethane	ND		1.0	0.29	ug/L			07/13/21 19:44	1
Dibromomethane	ND		0.50	0.23	ug/L			07/13/21 19:44	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/13/21 19:44	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/13/21 19:44	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/13/21 19:44	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/13/21 19:44	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/13/21 19:44	1
2-Butanone	ND		5.0	3.0	ug/L			07/13/21 19:44	1
Methylene Chloride	**0.95**	**J B**	1.0	0.48	ug/L			07/13/21 19:44	1
2-Hexanone	ND		6.0	4.3	ug/L			07/13/21 19:44	1
Naphthalene	ND		1.0	0.32	ug/L			07/13/21 19:44	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/13/21 19:44	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/13/21 19:44	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/13/21 19:44	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/13/21 19:44	1
Styrene	ND		0.50	0.28	ug/L			07/13/21 19:44	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/13/21 19:44	1

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW27
Date Collected: 06/30/21 10:31
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		0.50	0.29	ug/L			07/13/21 19:44	1
Trichloroethene	ND		0.50	0.29	ug/L			07/13/21 19:44	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/13/21 19:44	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/13/21 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*68 - 135*		*07/13/21 19:44*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*07/13/21 19:44*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/13/21 19:44*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/13/21 19:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	H	1.0	0.48	ug/L			07/17/21 04:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 135*		*07/17/21 04:34*	*1*
4-Bromofluorobenzene (Surr)	*88*		*71 - 120*		*07/17/21 04:34*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*07/17/21 04:34*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/17/21 04:34*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		07/02/21 09:15	07/07/21 22:16	1
Acenaphthylene	ND		0.19	0.065	ug/L		07/02/21 09:15	07/07/21 22:16	1
Anthracene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 22:16	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		07/02/21 09:15	07/07/21 22:16	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		07/02/21 09:15	07/07/21 22:16	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 22:16	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/02/21 09:15	07/07/21 22:16	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/02/21 09:15	07/07/21 22:16	1
Chrysene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 22:16	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 22:16	1
Fluoranthene	ND		0.19	0.064	ug/L		07/02/21 09:15	07/07/21 22:16	1
Fluorene	ND		0.19	0.071	ug/L		07/02/21 09:15	07/07/21 22:16	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/02/21 09:15	07/07/21 22:16	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		07/02/21 09:15	07/07/21 22:16	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/02/21 09:15	07/07/21 22:16	1
Naphthalene	ND		0.19	0.079	ug/L		07/02/21 09:15	07/07/21 22:16	1
Phenanthrene	ND		0.19	0.069	ug/L		07/02/21 09:15	07/07/21 22:16	1
Pyrene	ND		0.19	0.063	ug/L		07/02/21 09:15	07/07/21 22:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*59*		*33 - 144*	*07/02/21 09:15*	*07/07/21 22:16*	*1*
Nitrobenzene-d5 (Surr)	*64*		*28 - 139*	*07/02/21 09:15*	*07/07/21 22:16*	*1*
p-Terphenyl-d14 (Surr)	*66*		*23 - 160*	*07/02/21 09:15*	*07/07/21 22:16*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:28	1

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW27

Date Collected: 06/30/21 10:31
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-2
Matrix: Water

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:17	1
Barium	**0.0662**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:17	1
Cadmium	**0.00219**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:17	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:17	1
Lead	**0.0176**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:17	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:17	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**178**		5.00	1.69	mg/L			07/14/21 15:23	1
Total Dissolved Solids	**1050**		1.00	0.870	mg/L			07/07/21 13:56	1
Chloride	**145**		10.0	2.98	mg/L			07/15/21 21:21	1

Client Sample ID: MW32

Date Collected: 06/30/21 11:23
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-3
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	0.27	ug/L			07/13/21 20:14	1
Toluene	ND		0.50	0.33	ug/L			07/13/21 20:14	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/13/21 20:14	1
o-Xylene	ND		0.50	0.35	ug/L			07/13/21 20:14	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/13/21 20:14	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/13/21 20:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/13/21 20:14	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/13/21 20:14	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/13/21 20:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/13/21 20:14	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/13/21 20:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/13/21 20:14	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/13/21 20:14	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/13/21 20:14	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/13/21 20:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/13/21 20:14	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/13/21 20:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/13/21 20:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/13/21 20:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/13/21 20:14	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/13/21 20:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/13/21 20:14	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/13/21 20:14	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/13/21 20:14	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/13/21 20:14	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/13/21 20:14	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/13/21 20:14	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/13/21 20:14	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/13/21 20:14	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/13/21 20:14	1

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW32
Date Collected: 06/30/21 11:23
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/13/21 20:14	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/13/21 20:14	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/13/21 20:14	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/13/21 20:14	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/13/21 20:14	1
Acetone	**4.0**	**J**	8.0	4.0	ug/L			07/13/21 20:14	1
Bromobenzene	ND		0.50	0.26	ug/L			07/13/21 20:14	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/13/21 20:14	1
Bromoform	ND		0.50	0.39	ug/L			07/13/21 20:14	1
Bromomethane	ND		1.0	0.93	ug/L			07/13/21 20:14	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/13/21 20:14	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/13/21 20:14	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/13/21 20:14	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/13/21 20:14	1
Chloroethane	ND		0.50	0.44	ug/L			07/13/21 20:14	1
Chloroform	ND		0.50	0.28	ug/L			07/13/21 20:14	1
Chloromethane	ND		1.0	0.29	ug/L			07/13/21 20:14	1
Dibromomethane	ND		0.50	0.23	ug/L			07/13/21 20:14	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/13/21 20:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/13/21 20:14	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/13/21 20:14	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/13/21 20:14	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/13/21 20:14	1
2-Butanone	ND		5.0	3.0	ug/L			07/13/21 20:14	1
Methylene Chloride	**1.0**	**B**	1.0	0.48	ug/L			07/13/21 20:14	1
2-Hexanone	ND		6.0	4.3	ug/L			07/13/21 20:14	1
Naphthalene	**0.55**	**J**	1.0	0.32	ug/L			07/13/21 20:14	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/13/21 20:14	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/13/21 20:14	1
p-Isopropyltoluene	**0.49**	**J**	0.50	0.28	ug/L			07/13/21 20:14	1
sec-Butylbenzene	**1.0**		0.50	0.34	ug/L			07/13/21 20:14	1
Styrene	ND		0.50	0.28	ug/L			07/13/21 20:14	1
tert-Butylbenzene	**0.79**		0.50	0.34	ug/L			07/13/21 20:14	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/13/21 20:14	1
Trichloroethene	ND		0.50	0.29	ug/L			07/13/21 20:14	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/13/21 20:14	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/13/21 20:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*68 - 135*		*07/13/21 20:14*	*1*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*		*07/13/21 20:14*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/13/21 20:14*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/13/21 20:14*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND	H	1.0	0.48	ug/L			07/17/21 05:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 135*		*07/17/21 05:02*	*1*

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-63320-1

Client Sample ID: MW32
Date Collected: 06/30/21 11:23
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-3
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*07/17/21 05:02*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*07/17/21 05:02*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/17/21 05:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		07/02/21 09:15	07/07/21 22:38	1
Acenaphthylene	ND		0.19	0.066	ug/L		07/02/21 09:15	07/07/21 22:38	1
Anthracene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 22:38	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		07/02/21 09:15	07/07/21 22:38	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		07/02/21 09:15	07/07/21 22:38	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 22:38	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		07/02/21 09:15	07/07/21 22:38	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/02/21 09:15	07/07/21 22:38	1
Chrysene	ND		0.19	0.056	ug/L		07/02/21 09:15	07/07/21 22:38	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/02/21 09:15	07/07/21 22:38	1
Fluoranthene	ND		0.19	0.065	ug/L		07/02/21 09:15	07/07/21 22:38	1
Fluorene	**0.39**		0.19	0.072	ug/L		07/02/21 09:15	07/07/21 22:38	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/02/21 09:15	07/07/21 22:38	1
1-Methylnaphthalene	**0.80**		0.19	0.070	ug/L		07/02/21 09:15	07/07/21 22:38	1
2-Methylnaphthalene	**0.23**		0.19	0.074	ug/L		07/02/21 09:15	07/07/21 22:38	1
Naphthalene	**0.29**		0.19	0.079	ug/L		07/02/21 09:15	07/07/21 22:38	1
Phenanthrene	ND		0.19	0.070	ug/L		07/02/21 09:15	07/07/21 22:38	1
Pyrene	ND		0.19	0.063	ug/L		07/02/21 09:15	07/07/21 22:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*74*		*33 - 144*	*07/02/21 09:15*	*07/07/21 22:38*	*1*
Nitrobenzene-d5 (Surr)	*97*		*28 - 139*	*07/02/21 09:15*	*07/07/21 22:38*	*1*
p-Terphenyl-d14 (Surr)	*72*		*23 - 160*	*07/02/21 09:15*	*07/07/21 22:38*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:19	1
Barium	**0.353**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:19	1
Cadmium	**0.00258**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:19	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:19	1
Lead	**0.0122**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:19	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:19	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**509**		5.00	1.69	mg/L			07/14/21 15:29	1
Total Dissolved Solids	**575**		1.00	0.870	mg/L			07/07/21 13:56	1
Chloride	**33.1**		2.00	0.596	mg/L			07/15/21 21:21	1

Eurofins Calscience LLC

Surrogate Summary

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

Job ID: 570-63320-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-135)	(71-120)	(80-120)	(80-120)
440-286000-A-1 MS	Matrix Spike	97	101	104	100
440-286000-B-1 MSD	Matrix Spike Duplicate	96	101	105	98
570-63320-1	MW30	89	90	100	99
570-63320-1 - RA	MW30	96	89	101	96
570-63320-2	MW27	88	93	102	100
570-63320-2 - RA	MW27	104	88	106	97
570-63320-3	MW32	91	92	97	96
570-63320-3 - RA	MW32	105	90	109	101
LCS 570-163561/4	Lab Control Sample	93	93	96	95
LCS 570-164579/3	Lab Control Sample	99	102	106	100
LCSD 570-163561/5	Lab Control Sample Dup	96	92	99	95
LCSD 570-164579/4	Lab Control Sample Dup	99	100	101	99
MB 570-163561/7	Method Blank	87	94	100	97
MB 570-164579/6	Method Blank	110	90	108	98

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-63320-1	MW30	59	67	66
570-63320-2	MW27	59	64	66
570-63320-3	MW32	74	97	72
LCS 570-161224/2-A	Lab Control Sample	69	90	67
LCSD 570-161224/3-A	Lab Control Sample Dup	70	94	65
MB 570-161224/1-A	Method Blank	61	76	58

Surrogate Legend

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

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: MB 570-163561/7
Matrix: Water
Analysis Batch: 163561

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	0.27	ug/L			07/13/21 11:51	1
Toluene	ND		0.50	0.33	ug/L			07/13/21 11:51	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/13/21 11:51	1
o-Xylene	ND		0.50	0.35	ug/L			07/13/21 11:51	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/13/21 11:51	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/13/21 11:51	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/13/21 11:51	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/13/21 11:51	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/13/21 11:51	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/13/21 11:51	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/13/21 11:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/13/21 11:51	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/13/21 11:51	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/13/21 11:51	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/13/21 11:51	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/13/21 11:51	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/13/21 11:51	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/13/21 11:51	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/13/21 11:51	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/13/21 11:51	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/13/21 11:51	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/13/21 11:51	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/13/21 11:51	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/13/21 11:51	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/13/21 11:51	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/13/21 11:51	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/13/21 11:51	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/13/21 11:51	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/13/21 11:51	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/13/21 11:51	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/13/21 11:51	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/13/21 11:51	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/13/21 11:51	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/13/21 11:51	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/13/21 11:51	1
Acetone	ND		8.0	4.0	ug/L			07/13/21 11:51	1
Bromobenzene	ND		0.50	0.26	ug/L			07/13/21 11:51	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/13/21 11:51	1
Bromoform	ND		0.50	0.39	ug/L			07/13/21 11:51	1
Bromomethane	ND		1.0	0.93	ug/L			07/13/21 11:51	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/13/21 11:51	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/13/21 11:51	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/13/21 11:51	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/13/21 11:51	1
Chloroethane	ND		0.50	0.44	ug/L			07/13/21 11:51	1
Chloroform	ND		0.50	0.28	ug/L			07/13/21 11:51	1
Chloromethane	ND		1.0	0.29	ug/L			07/13/21 11:51	1
Dibromomethane	ND		0.50	0.23	ug/L			07/13/21 11:51	1

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: MB 570-163561/7
Matrix: Water
Analysis Batch: 163561

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	0.22	ug/L			07/13/21 11:51	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/13/21 11:51	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/13/21 11:51	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/13/21 11:51	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/13/21 11:51	1
2-Butanone	ND		5.0	3.0	ug/L			07/13/21 11:51	1
Methylene Chloride	0.9342	J	1.0	0.48	ug/L			07/13/21 11:51	1
2-Hexanone	ND		6.0	4.3	ug/L			07/13/21 11:51	1
Naphthalene	ND		1.0	0.32	ug/L			07/13/21 11:51	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/13/21 11:51	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/13/21 11:51	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/13/21 11:51	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/13/21 11:51	1
Styrene	ND		0.50	0.28	ug/L			07/13/21 11:51	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/13/21 11:51	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/13/21 11:51	1
Trichloroethene	ND		0.50	0.29	ug/L			07/13/21 11:51	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/13/21 11:51	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/13/21 11:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*68 - 135*		*07/13/21 11:51*	*1*
4-Bromofluorobenzene (Surr)	*94*		*71 - 120*		*07/13/21 11:51*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/13/21 11:51*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/13/21 11:51*	*1*

Lab Sample ID: LCS 570-163561/4
Matrix: Water
Analysis Batch: 163561

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	8.880		ug/L		89	80 - 120
Toluene	10.0	9.241		ug/L		92	80 - 120
Ethylbenzene	10.0	9.262		ug/L		93	80 - 120
o-Xylene	10.0	9.454		ug/L		95	80 - 122
m,p-Xylene	20.0	18.72		ug/L		94	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	9.692		ug/L		97	72 - 120
1,1-Dichloroethene	10.0	9.735		ug/L		97	72 - 120
1,2-Dichlorobenzene	10.0	10.30		ug/L		103	79 - 123
1,2-Dichloroethane	10.0	9.696		ug/L		97	71 - 137
Carbon tetrachloride	10.0	10.62		ug/L		106	69 - 145
Chlorobenzene	10.0	10.28		ug/L		103	80 - 120
1,2-Dibromoethane	10.0	10.11		ug/L		101	80 - 120
Hexachloro-1,3-butadiene	10.0	11.61		ug/L		116	76 - 141
Trichloroethene	10.0	9.815		ug/L		98	80 - 123
Vinyl chloride	10.0	8.956		ug/L		90	74 - 130

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: LCS 570-163561/4
Matrix: Water
Analysis Batch: 163561

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 135*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*
Dibromofluoromethane (Surr)	*96*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: LCSD 570-163561/5
Matrix: Water
Analysis Batch: 163561

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	9.598		ug/L		96	80 - 120	8	20
Toluene			10.0	9.733		ug/L		97	80 - 120	5	20
Ethylbenzene			10.0	9.808		ug/L		98	80 - 120	6	20
o-Xylene			10.0	9.673		ug/L		97	80 - 122	2	20
m,p-Xylene			20.0	19.88		ug/L		99	80 - 122	6	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.996		ug/L		100	72 - 120	3	20
1,1-Dichloroethene			10.0	10.94		ug/L		109	72 - 120	12	20
1,2-Dichlorobenzene			10.0	10.58		ug/L		106	79 - 123	3	20
1,2-Dichloroethane			10.0	10.29		ug/L		103	71 - 137	6	20
Carbon tetrachloride			10.0	11.55		ug/L		115	69 - 145	8	20
Chlorobenzene			10.0	10.38		ug/L		104	80 - 120	1	20
1,2-Dibromoethane			10.0	10.39		ug/L		104	80 - 120	3	20
Hexachloro-1,3-butadiene			10.0	11.77		ug/L		118	76 - 141	1	23
Trichloroethene			10.0	10.64		ug/L		106	80 - 123	8	20
Vinyl chloride			10.0	9.690		ug/L		97	74 - 130	8	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

Lab Sample ID: MB 570-164579/6
Matrix: Water
Analysis Batch: 164579

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	0.27	ug/L			07/16/21 23:27	1
Toluene	ND		0.50	0.33	ug/L			07/16/21 23:27	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/16/21 23:27	1
o-Xylene	ND		0.50	0.35	ug/L			07/16/21 23:27	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/16/21 23:27	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/16/21 23:27	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/16/21 23:27	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/16/21 23:27	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/16/21 23:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/16/21 23:27	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/16/21 23:27	1

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: MB 570-164579/6
Matrix: Water
Analysis Batch: 164579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/16/21 23:27	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/16/21 23:27	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/16/21 23:27	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/16/21 23:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/16/21 23:27	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/16/21 23:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/16/21 23:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/16/21 23:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/16/21 23:27	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/16/21 23:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/16/21 23:27	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/16/21 23:27	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/16/21 23:27	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/16/21 23:27	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/16/21 23:27	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/16/21 23:27	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/16/21 23:27	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/16/21 23:27	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/16/21 23:27	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/16/21 23:27	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/16/21 23:27	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/16/21 23:27	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/16/21 23:27	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/16/21 23:27	1
Acetone	ND		8.0	4.0	ug/L			07/16/21 23:27	1
Bromobenzene	ND		0.50	0.26	ug/L			07/16/21 23:27	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/16/21 23:27	1
Bromoform	ND		0.50	0.39	ug/L			07/16/21 23:27	1
Bromomethane	ND		1.0	0.93	ug/L			07/16/21 23:27	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/16/21 23:27	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/16/21 23:27	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/16/21 23:27	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/16/21 23:27	1
Chloroethane	ND		0.50	0.44	ug/L			07/16/21 23:27	1
Chloroform	ND		0.50	0.28	ug/L			07/16/21 23:27	1
Chloromethane	ND		1.0	0.29	ug/L			07/16/21 23:27	1
Dibromomethane	ND		0.50	0.23	ug/L			07/16/21 23:27	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/16/21 23:27	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/16/21 23:27	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/16/21 23:27	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/16/21 23:27	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/16/21 23:27	1
2-Butanone	ND		5.0	3.0	ug/L			07/16/21 23:27	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/16/21 23:27	1
2-Hexanone	ND		6.0	4.3	ug/L			07/16/21 23:27	1
Naphthalene	ND		1.0	0.32	ug/L			07/16/21 23:27	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/16/21 23:27	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/16/21 23:27	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/16/21 23:27	1

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: MB 570-164579/6
Matrix: Water
Analysis Batch: 164579

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/16/21 23:27	1
Styrene	ND		0.50	0.28	ug/L			07/16/21 23:27	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/16/21 23:27	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/16/21 23:27	1
Trichloroethene	ND		0.50	0.29	ug/L			07/16/21 23:27	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/16/21 23:27	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/16/21 23:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*68 - 135*		*07/16/21 23:27*	*1*
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*07/16/21 23:27*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*07/16/21 23:27*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/16/21 23:27*	*1*

Lab Sample ID: LCS 570-164579/3
Matrix: Water
Analysis Batch: 164579

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	9.718		ug/L		97	80 - 120
Toluene	10.0	9.486		ug/L		95	80 - 120
Ethylbenzene	10.0	9.617		ug/L		96	80 - 120
o-Xylene	10.0	9.565		ug/L		96	80 - 122
m,p-Xylene	20.0	18.41		ug/L		92	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	9.091		ug/L		91	72 - 120
1,1-Dichloroethene	10.0	8.542		ug/L		85	72 - 120
1,2-Dichlorobenzene	10.0	9.846		ug/L		98	79 - 123
1,2-Dichloroethane	10.0	9.362		ug/L		94	71 - 137
Carbon tetrachloride	10.0	9.942		ug/L		99	69 - 145
Chlorobenzene	10.0	9.666		ug/L		97	80 - 120
1,2-Dibromoethane	10.0	9.853		ug/L		99	80 - 120
Hexachloro-1,3-butadiene	10.0	9.923		ug/L		99	76 - 141
Trichloroethene	10.0	9.893		ug/L		99	80 - 123
Vinyl chloride	10.0	8.800		ug/L		88	74 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 135*
4-Bromofluorobenzene (Surr)	*102*		*71 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-164579/4
Matrix: Water
Analysis Batch: 164579

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	9.794		ug/L		98	80 - 120	1	20
Toluene	10.0	9.525		ug/L		95	80 - 120	0	20

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: LCSD 570-164579/4
Matrix: Water
Analysis Batch: 164579

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
Ethylbenzene	10.0	9.723		ug/L		97	80 - 120	1	20
o-Xylene	10.0	9.774		ug/L		98	80 - 122	2	20
m,p-Xylene	20.0	18.41		ug/L		92	80 - 122	0	20
Methyl-t-Butyl Ether (MTBE)	10.0	9.341		ug/L		93	72 - 120	3	20
1,1-Dichloroethene	10.0	8.592		ug/L		86	72 - 120	1	20
1,2-Dichlorobenzene	10.0	10.26		ug/L		103	79 - 123	4	20
1,2-Dichloroethane	10.0	9.615		ug/L		96	71 - 137	3	20
Carbon tetrachloride	10.0	9.974		ug/L		100	69 - 145	0	20
Chlorobenzene	10.0	9.682		ug/L		97	80 - 120	0	20
1,2-Dibromoethane	10.0	10.21		ug/L		102	80 - 120	4	20
Hexachloro-1,3-butadiene	10.0	10.20		ug/L		102	76 - 141	3	23
Trichloroethene	10.0	10.13		ug/L		101	80 - 123	2	20
Vinyl chloride	10.0	8.765		ug/L		88	74 - 130	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*68 - 135*
4-Bromofluorobenzene (Surr)	*100*		*71 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

Lab Sample ID: 440-286000-A-1 MS
Matrix: Water
Analysis Batch: 164579

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		10.0	10.13		ug/L		101	61 - 143
Toluene	0.47	J	10.0	10.32		ug/L		99	62 - 145
Ethylbenzene	ND		10.0	10.13		ug/L		101	59 - 145
o-Xylene	ND		10.0	10.35		ug/L		103	61 - 150
m,p-Xylene	ND		20.0	19.70		ug/L		98	61 - 150
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.299		ug/L		93	62 - 125
1,1-Dichloroethene	13	F1	10.0	17.80	F1	ug/L		45	48 - 146
1,2-Dichlorobenzene	6.3		10.0	16.40		ug/L		101	63 - 146
1,2-Dichloroethane	0.31	J	10.0	9.838		ug/L		95	63 - 151
Carbon tetrachloride	ND		10.0	9.728		ug/L		97	46 - 167
Chlorobenzene	ND		10.0	10.22		ug/L		102	62 - 143
1,2-Dibromoethane	ND		10.0	10.05		ug/L		101	69 - 139
Hexachloro-1,3-butadiene	ND		10.0	10.02		ug/L		100	56 - 163
Trichloroethene	14		10.0	22.80		ug/L		85	35 - 163
Vinyl chloride	7.1	F1	10.0	12.26	F1	ug/L		52	75 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 135*
4-Bromofluorobenzene (Surr)	*101*		*71 - 120*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: 440-286000-B-1 MSD
Matrix: Water
Analysis Batch: 164579

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		10.0	10.32		ug/L		103	61 - 143	2	20
Toluene	0.47	J	10.0	10.56		ug/L		101	62 - 145	2	21
Ethylbenzene	ND		10.0	10.52		ug/L		105	59 - 145	4	23
o-Xylene	ND		10.0	10.45		ug/L		105	61 - 150	1	20
m,p-Xylene	ND		20.0	20.23		ug/L		101	61 - 150	3	23
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.892		ug/L		99	62 - 125	6	20
1,1-Dichloroethene	13	F1	10.0	18.11		ug/L		48	48 - 146	2	28
1,2-Dichlorobenzene	6.3		10.0	17.49		ug/L		112	63 - 146	6	20
1,2-Dichloroethane	0.31	J	10.0	10.08		ug/L		98	63 - 151	2	20
Carbon tetrachloride	ND		10.0	10.02		ug/L		100	46 - 167	3	29
Chlorobenzene	ND		10.0	10.37		ug/L		104	62 - 143	1	20
1,2-Dibromoethane	ND		10.0	10.44		ug/L		104	69 - 139	4	20
Hexachloro-1,3-butadiene	ND		10.0	10.95		ug/L		110	56 - 163	9	34
Trichloroethene	14		10.0	23.27		ug/L		89	35 - 163	2	21
Vinyl chloride	7.1	F1	10.0	12.39	F1	ug/L		53	75 - 139	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*
4-Bromofluorobenzene (Surr)	*101*		*71 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

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

Lab Sample ID: MB 570-161224/1-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161224

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		07/01/21 10:01	07/01/21 16:02	1
Acenaphthylene	ND		0.20	0.069	ug/L		07/01/21 10:01	07/01/21 16:02	1
Anthracene	ND		0.20	0.059	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		07/01/21 10:01	07/01/21 16:02	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		07/01/21 10:01	07/01/21 16:02	1
Chrysene	ND		0.20	0.059	ug/L		07/01/21 10:01	07/01/21 16:02	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		07/01/21 10:01	07/01/21 16:02	1
Fluoranthene	ND		0.20	0.068	ug/L		07/01/21 10:01	07/01/21 16:02	1
Fluorene	ND		0.20	0.075	ug/L		07/01/21 10:01	07/01/21 16:02	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		07/01/21 10:01	07/01/21 16:02	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		07/01/21 10:01	07/01/21 16:02	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/01/21 10:01	07/01/21 16:02	1
Naphthalene	ND		0.20	0.083	ug/L		07/01/21 10:01	07/01/21 16:02	1
Phenanthrene	ND		0.20	0.073	ug/L		07/01/21 10:01	07/01/21 16:02	1
Pyrene	ND		0.20	0.066	ug/L		07/01/21 10:01	07/01/21 16:02	1

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: MB 570-161224/1-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161224

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	61		33 - 144	07/01/21 10:01	07/01/21 16:02	1
Nitrobenzene-d5 (Surr)	76		28 - 139	07/01/21 10:01	07/01/21 16:02	1
p-Terphenyl-d14 (Surr)	58		23 - 160	07/01/21 10:01	07/01/21 16:02	1

Lab Sample ID: LCS 570-161224/2-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161224

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.321		ug/L		66	55 - 121
Acenaphthylene	2.00	1.538		ug/L		77	33 - 145
Anthracene	2.00	1.417		ug/L		71	27 - 133
Benzo[a]anthracene	2.00	1.369		ug/L		68	33 - 143
Benzo[a]pyrene	2.00	1.374		ug/L		69	17 - 163
Benzo[b]fluoranthene	2.00	1.259		ug/L		63	24 - 159
Benzo[g,h,i]perylene	2.00	1.243		ug/L		62	25 - 157
Benzo[k]fluoranthene	2.00	1.311		ug/L		66	24 - 159
Chrysene	2.00	1.321		ug/L		66	17 - 168
Dibenz(a,h)anthracene	2.00	1.230		ug/L		62	25 - 175
Fluoranthene	2.00	1.376		ug/L		69	26 - 137
Fluorene	2.00	1.433		ug/L		72	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.220		ug/L		61	25 - 175
1-Methylnaphthalene	2.00	1.249		ug/L		62	20 - 140
2-Methylnaphthalene	2.00	1.245		ug/L		62	21 - 140
Naphthalene	2.00	1.171		ug/L		59	21 - 133
Phenanthrene	2.00	1.337		ug/L		67	54 - 120
Pyrene	2.00	1.539		ug/L		77	45 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	69		33 - 144
Nitrobenzene-d5 (Surr)	90		28 - 139
p-Terphenyl-d14 (Surr)	67		23 - 160

Lab Sample ID: LCSD 570-161224/3-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161224

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.00	1.333		ug/L		67	55 - 121	1	25
Acenaphthylene	2.00	1.538		ug/L		77	33 - 145	0	25
Anthracene	2.00	1.434		ug/L		72	27 - 133	1	25
Benzo[a]anthracene	2.00	1.372		ug/L		69	33 - 143	0	25
Benzo[a]pyrene	2.00	1.379		ug/L		69	17 - 163	0	25
Benzo[b]fluoranthene	2.00	1.277		ug/L		64	24 - 159	1	25
Benzo[g,h,i]perylene	2.00	1.271		ug/L		64	25 - 157	2	25
Benzo[k]fluoranthene	2.00	1.298		ug/L		65	24 - 159	1	25
Chrysene	2.00	1.324		ug/L		66	17 - 168	0	25
Dibenz(a,h)anthracene	2.00	1.290		ug/L		64	25 - 175	5	25

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: LCSD 570-161224/3-A
Matrix: Water
Analysis Batch: 161225

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 161224

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene			2.00	1.361		ug/L		68	26 - 137	1	25
Fluorene			2.00	1.448		ug/L		72	59 - 121	1	25
Indeno[1,2,3-cd]pyrene			2.00	1.261		ug/L		63	25 - 175	3	25
1-Methylnaphthalene			2.00	1.278		ug/L		64	20 - 140	2	25
2-Methylnaphthalene			2.00	1.280		ug/L		64	21 - 140	3	25
Naphthalene			2.00	1.234		ug/L		62	21 - 133	5	25
Phenanthrene			2.00	1.364		ug/L		68	54 - 120	2	25
Pyrene			2.00	1.534		ug/L		77	45 - 129	0	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*70*		*33 - 144*
Nitrobenzene-d5 (Surr)	*94*		*28 - 139*
p-Terphenyl-d14 (Surr)	*65*		*23 - 160*

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-163439/1-A
Matrix: Water
Analysis Batch: 163957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 163439

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:04	1

Lab Sample ID: LCS 570-163439/2-A
Matrix: Water
Analysis Batch: 163957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 163439

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.0100	0.01003		mg/L		100	85 - 115		

Lab Sample ID: LCSD 570-163439/3-A
Matrix: Water
Analysis Batch: 163957

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 163439

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.0100	0.009031		mg/L		90	85 - 115	10	10

Lab Sample ID: 570-63426-E-1-C MS
Matrix: Water
Analysis Batch: 163957

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 163439

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.000189	J	0.0100	0.009035		mg/L		88	70 - 130		

Lab Sample ID: 570-63426-E-1-D MSD
Matrix: Water
Analysis Batch: 163957

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 163439

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000189	J	0.0100	0.008619		mg/L		84	70 - 130	5	10

QC Sample Results

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

Job ID: 570-63320-1

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-63351-E-2-B MS
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 162120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5210		mg/L		104	80 - 140
Barium	0.0466		0.500	0.6136		mg/L		113	87 - 123
Cadmium	0.00629	J	0.500	0.5191		mg/L		103	82 - 124
Chromium	0.0177	J	0.500	0.5557		mg/L		108	86 - 122
Lead	0.0133	J	0.500	0.4912		mg/L		96	84 - 120
Selenium	ND		0.500	0.4908		mg/L		98	79 - 127
Silver	ND		0.250	0.2442		mg/L		98	86 - 128

Lab Sample ID: 570-63351-E-2-C MSD
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 162120

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5209		mg/L		104	80 - 140	0	11
Barium	0.0466		0.500	0.6141		mg/L		113	87 - 123	0	6
Cadmium	0.00629	J	0.500	0.5178		mg/L		102	82 - 124	0	7
Chromium	0.0177	J	0.500	0.5554		mg/L		108	86 - 122	0	8
Lead	0.0133	J	0.500	0.4875		mg/L		95	84 - 120	1	7
Selenium	ND		0.500	0.5243		mg/L		105	79 - 127	7	9
Silver	ND		0.250	0.2450		mg/L		98	86 - 128	0	7

Lab Sample ID: MB 570-162120/1-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 10:33	1
Barium	ND		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 10:33	1
Cadmium	ND		0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 10:33	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 10:33	1
Lead	ND		0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 10:33	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 10:33	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 10:33	1

Lab Sample ID: LCS 570-162120/2-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.5240		mg/L		105	80 - 120
Barium	0.500	0.5842		mg/L		117	80 - 120
Cadmium	0.500	0.5488		mg/L		110	80 - 120
Chromium	0.500	0.5564		mg/L		111	80 - 120
Lead	0.500	0.5317		mg/L		106	80 - 120
Selenium	0.500	0.5391		mg/L		108	80 - 120
Silver	0.250	0.2853		mg/L		114	80 - 120

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: LCSD 570-162120/3-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.500	0.5355		mg/L		107	80 - 120	2	20
Barium			0.500	0.5778		mg/L		116	80 - 120	1	20
Cadmium			0.500	0.5445		mg/L		109	80 - 120	1	20
Chromium			0.500	0.5506		mg/L		110	80 - 120	1	20
Lead			0.500	0.5274		mg/L		105	80 - 120	1	20
Selenium			0.500	0.5308		mg/L		106	80 - 120	2	20
Silver			0.250	0.2838		mg/L		114	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-164160/12
Matrix: Water
Analysis Batch: 164160

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			07/14/21 09:41	1

Lab Sample ID: LCS 570-164160/10
Matrix: Water
Analysis Batch: 164160

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	96.01		mg/L		96	80 - 120		

Lab Sample ID: LCSD 570-164160/11
Matrix: Water
Analysis Batch: 164160

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	95.91		mg/L		96	80 - 120	0	20

Lab Sample ID: 570-63319-D-1 DU
Matrix: Water
Analysis Batch: 164160

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)	182			184.1		mg/L				0.9	25

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

Lab Sample ID: MB 570-162452/1
Matrix: Water
Analysis Batch: 162452

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		0.400	0.348	mg/L			07/07/21 13:56	1

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: LCS 570-162452/2
Matrix: Water
Analysis Batch: 162452

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

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

Lab Sample ID: LCSD 570-162452/3
Matrix: Water
Analysis Batch: 162452

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

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

Lab Sample ID: 570-63320-2 DU
Matrix: Water
Analysis Batch: 162452

Client Sample ID: MW27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	1050			1115		mg/L				6	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-164357/1
Matrix: Water
Analysis Batch: 164357

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	0.596	mg/L			07/15/21 21:21	1

Lab Sample ID: LCS 570-164357/2
Matrix: Water
Analysis Batch: 164357

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	105.1		mg/L		105	80 - 120		

Lab Sample ID: LCSD 570-164357/3
Matrix: Water
Analysis Batch: 164357

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	104.3		mg/L		104	80 - 120	1	10

Lab Sample ID: 570-63822-C-1 MS
Matrix: Water
Analysis Batch: 164357

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	997		5000	6182		mg/L		104	75 - 125		

QC Sample Results

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

Job ID: 570-63320-1

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

Lab Sample ID: 570-63822-C-1 MSD
Matrix: Water
Analysis Batch: 164357

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	997		5000	6161		mg/L		103	75 - 125	0	15

Lab Sample ID: 570-63822-C-1 DU
Matrix: Water
Analysis Batch: 164357

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	997			961.5		mg/L				4	15

QC Association Summary

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

Job ID: 570-63320-1

GC/MS VOA

Analysis Batch: 163561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	8260B	
570-63320-2	MW27	Total/NA	Water	8260B	
570-63320-3	MW32	Total/NA	Water	8260B	
MB 570-163561/7	Method Blank	Total/NA	Water	8260B	
LCS 570-163561/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-163561/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 164579

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1 - RA	MW30	Total/NA	Water	8260B	
570-63320-2 - RA	MW27	Total/NA	Water	8260B	
570-63320-3 - RA	MW32	Total/NA	Water	8260B	
MB 570-164579/6	Method Blank	Total/NA	Water	8260B	
LCS 570-164579/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-164579/4	Lab Control Sample Dup	Total/NA	Water	8260B	
440-286000-A-1 MS	Matrix Spike	Total/NA	Water	8260B	
440-286000-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 161224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	3510C	
570-63320-2	MW27	Total/NA	Water	3510C	
570-63320-3	MW32	Total/NA	Water	3510C	
MB 570-161224/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-161224/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-161224/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 161225

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-161224/1-A	Method Blank	Total/NA	Water	8270C SIM	161224
LCS 570-161224/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	161224
LCSD 570-161224/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	161224

Analysis Batch: 162334

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	8270C SIM	161224
570-63320-2	MW27	Total/NA	Water	8270C SIM	161224
570-63320-3	MW32	Total/NA	Water	8270C SIM	161224

Metals

Prep Batch: 162120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	3005A	
570-63320-2	MW27	Total/NA	Water	3005A	
570-63320-3	MW32	Total/NA	Water	3005A	
MB 570-162120/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-162120/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-162120/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-63351-E-2-B MS	Matrix Spike	Total/NA	Water	3005A	

QC Association Summary

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

Job ID: 570-63320-1

Metals (Continued)

Prep Batch: 162120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63351-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 163054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	6010B	162120
570-63320-2	MW27	Total/NA	Water	6010B	162120
570-63320-3	MW32	Total/NA	Water	6010B	162120
MB 570-162120/1-A	Method Blank	Total Recoverable	Water	6010B	162120
LCS 570-162120/2-A	Lab Control Sample	Total Recoverable	Water	6010B	162120
LCSD 570-162120/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	162120
570-63351-E-2-B MS	Matrix Spike	Total/NA	Water	6010B	162120
570-63351-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	162120

Prep Batch: 163439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	245.1	
570-63320-2	MW27	Total/NA	Water	245.1	
570-63320-3	MW32	Total/NA	Water	245.1	
MB 570-163439/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-163439/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-163439/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-63426-E-1-C MS	Matrix Spike	Total/NA	Water	245.1	
570-63426-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 163957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	245.1	163439
570-63320-2	MW27	Total/NA	Water	245.1	163439
570-63320-3	MW32	Total/NA	Water	245.1	163439
MB 570-163439/1-A	Method Blank	Total/NA	Water	245.1	163439
LCS 570-163439/2-A	Lab Control Sample	Total/NA	Water	245.1	163439
LCSD 570-163439/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	163439
570-63426-E-1-C MS	Matrix Spike	Total/NA	Water	245.1	163439
570-63426-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	163439

General Chemistry

Analysis Batch: 162452

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	SM 2540C	
570-63320-2	MW27	Total/NA	Water	SM 2540C	
570-63320-3	MW32	Total/NA	Water	SM 2540C	
MB 570-162452/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-162452/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-162452/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-63320-2 DU	MW27	Total/NA	Water	SM 2540C	

Analysis Batch: 164160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	SM 2320B	
570-63320-2	MW27	Total/NA	Water	SM 2320B	

QC Association Summary

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

Job ID: 570-63320-1

General Chemistry (Continued)

Analysis Batch: 164160 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-3	MW32	Total/NA	Water	SM 2320B	
MB 570-164160/12	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-164160/10	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-164160/11	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-63319-D-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 164357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63320-1	MW30	Total/NA	Water	SM 4500 Cl- C	
570-63320-2	MW27	Total/NA	Water	SM 4500 Cl- C	
570-63320-3	MW32	Total/NA	Water	SM 4500 Cl- C	
MB 570-164357/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-164357/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-164357/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

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

Job ID: 570-63320-1

Client Sample ID: MW30

Date Collected: 06/30/21 08:02
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-1

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	RA	1	20 mL	20 mL	164579	07/17/21 04:06	A1W	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B		1	20 mL	20 mL	163561	07/13/21 19:15	GEN9	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1049.6 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162334	07/07/21 21:53	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:26	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:15	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 15:16	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162452	07/07/21 13:56	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: MW27

Date Collected: 06/30/21 10:31
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-2

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	RA	1	20 mL	20 mL	164579	07/17/21 04:34	A1W	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B		1	20 mL	20 mL	163561	07/13/21 19:44	GEN9	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1052.7 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162334	07/07/21 22:16	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:28	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:17	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 15:23	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162452	07/07/21 13:56	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

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

Job ID: 570-63320-1

Client Sample ID: MW32
Date Collected: 06/30/21 11:23
Date Received: 07/01/21 10:40

Lab Sample ID: 570-63320-3
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	RA	1	20 mL	20 mL	164579	07/17/21 05:02	A1W	ECL 2
	Instrument ID: GCMSUU									
Total/NA	Analysis	8260B		1	20 mL	20 mL	163561	07/13/21 20:14	GEN9	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1046.6 mL	2 mL	161224	07/02/21 09:15	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162334	07/07/21 22:38	AJ2Q	ECL 1
	Instrument ID: GCMSMM									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:30	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:19	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 15:29	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162452	07/07/21 13:56	ULIN	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

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: 570-63320-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

Method Summary

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

Job ID: 570-63320-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
245.1	Mercury (CVAA)	EPA	ECL 1
6010B	Metals (ICP)	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
245.1	Preparation, Mercury	EPA	ECL 1
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

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

63320

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 / 3612

CHAIN OF CUSTODY RECORD

DATE: 06/30/21

PAGE: 1 OF 1

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno

ADDRESS: 4572 Telephone Road #916

CITY: Ventura, CA 93003

TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@cardno.com

GLOBAL ID #/ COELT LOG CODE.

PROJECT CONTACT: James Anderson

SAMPLER(S):

EMES Sub Agreement #A2604415

LAB USE ONLY

COOLER RECEIPT Temp = _____ °C

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

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

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	MW30	MW30	06/30/21	08:02	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
2	MW27	MW27	06/30/21	10:31	W	7	"	"	"	"	"	3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3 250mL Plastic, 1L Plastic
3	MW32	MW32	06/30/21	11:23	W	7	"	"	"	"	"	3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3 250mL Plastic, 1L Plastic
4					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
5					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
6					W	7						3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
7					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3 250mL Plastic, 1L Plastic
8					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
9					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
10					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
11					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
12					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic

570-63320 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature) (Fedex)	Received by: (Signature) EZ	Date & Time: 7/1/21 10:40
Relinquished by: (Signature) ~~Calciadiola Station NM Site COC 16 samples.xls~~	Received by: (Signature)	Date, & Time:

2.9/2.5 SCG

7/19/2021

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-63320-1

Login Number: 63320
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

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?	False	Refer to Job Narrative for details.
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	

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ANALYTICAL REPORT

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

Laboratory Job ID: 570-63426-1
Client Project/Site: ExxonMobil Gladiola Station/3612

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

Attn: Mr. James Anderson

Authorized for release by:
7/20/2021 4:51:56 PM

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

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

Laboratory Job ID: 570-63426-1

Table of Contents

Sample Summary

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

Job ID: 570-63426-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-63426-1	MW22	Water	07/01/21 08:20	07/02/21 10:15	
570-63426-2	MW11	Water	07/01/21 09:09	07/02/21 10:15	
570-63426-3	MW10	Water	07/01/21 09:22	07/02/21 10:15	
570-63426-4	MW31	Water	07/01/21 10:08	07/02/21 10:15	
570-63426-5	MW6	Water	07/01/21 11:02	07/02/21 10:15	
570-63426-6	MW3	Water	07/01/21 11:38	07/02/21 10:15	
570-63426-7	TRIP BLANK	Water	07/01/21 00:00	07/02/21 10:15	

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-63426-1
Project/Site: ExxonMobil Gladiola Station/3612

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

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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/3612

Job ID: 570-63426-1

Job ID: 570-63426-1

Laboratory: Eurofins Calscience LLC

Narrative

Job Narrative
570-63426-1

Comments
No additional comments.

Receipt
The samples were received on 7/2/2021 10:15 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5º C.

GC/MS VOA
Method 8260B: Method(s) 8260B: Sample dilution was required prior to analysis due to matrix interferences from sediment that precludes analysis by purge and trap for samples 440-285778-1 and 570-63426-1.

Method 8260B: The method blank for analytical batch 570-163841 contained Acetone, Methylene chloride 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. However, the Source Blank (LOT#210619A) for the Trip Blank has been analyzed on July 20, 2021 to confirm the Acetone and Methylene Chloride concentrations in the Trip Blank. The result of the analysis was non-detect for Acetone and Methylene Chloride.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-163841.

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.

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 570-162269. LCS/LCSD was performed to meet QC requirement.

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

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

Detection Summary

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

Job ID: 570-63426-1

Client Sample ID: MW22 — Lab Sample ID: 570-63426-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.000189	J	0.000248	0.000124	mg/L	1		245.1	Total/NA
Barium	0.0425		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00206	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0147	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	276		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	630		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	31.3		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW11 — Lab Sample ID: 570-63426-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.000136	J	0.000248	0.000124	mg/L	1		245.1	Total/NA
Barium	0.0580		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00260	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0102	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	420		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	985		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	147		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW10 — Lab Sample ID: 570-63426-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.94	J	1.0	0.53	ug/L	2		8260B	Total/NA
o-Xylene	1.0		1.0	0.70	ug/L	2		8260B	Total/NA
m,p-Xylene	3.1		2.0	1.6	ug/L	2		8260B	Total/NA
Xylenes, Total	4.1		2.0	1.6	ug/L	2		8260B	Total/NA
1,2,4-Trimethylbenzene	4.9		1.0	0.57	ug/L	2		8260B	Total/NA
1,3,5-Trimethylbenzene	4.0		1.0	0.57	ug/L	2		8260B	Total/NA

Client Sample ID: MW31 — Lab Sample ID: 570-63426-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Isopropylbenzene	0.41	J	0.50	0.38	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.1		0.50	0.34	ug/L	1		8260B	Total/NA
Barium	0.605		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00229	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Lead	0.0102	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	477		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	655		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	42.9		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW6 — Lab Sample ID: 570-63426-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.00437		0.000248	0.000124	mg/L	1		245.1	Total/NA
Arsenic	0.169		0.100	0.0215	mg/L	1		6010B	Total/NA
Barium	0.761		0.0100	0.00156	mg/L	1		6010B	Total/NA
Chromium	0.0248	J	0.0500	0.00858	mg/L	1		6010B	Total/NA
Lead	0.0299	J	0.0500	0.00796	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	453		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	600		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	3.73		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

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

Job ID: 570-63426-1

Client Sample ID: MW3 — Lab Sample ID: 570-63426-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	540		5.0	2.7	ug/L	10		8260B	Total/NA
Ethylbenzene	460		5.0	3.6	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	11		5.0	2.9	ug/L	10		8260B	Total/NA
Isopropylbenzene	42		5.0	3.8	ug/L	10		8260B	Total/NA
Naphthalene	57		10	3.2	ug/L	10		8260B	Total/NA
n-Butylbenzene	4.1	J	5.0	2.9	ug/L	10		8260B	Total/NA
N-Propylbenzene	39		5.0	3.9	ug/L	10		8260B	Total/NA
sec-Butylbenzene	6.7		5.0	3.4	ug/L	10		8260B	Total/NA
Acenaphthylene	0.072	J	0.19	0.066	ug/L	1		8270C SIM	Total/NA
Fluorene	0.83		0.19	0.071	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	15		0.19	0.070	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	17		0.19	0.073	ug/L	1		8270C SIM	Total/NA
Naphthalene	33		0.95	0.39	ug/L	5		8270C SIM	Total/NA
Phenanthrene	0.55		0.19	0.070	ug/L	1		8270C SIM	Total/NA
Arsenic	0.0395	J	0.100	0.0215	mg/L	1		6010B	Total/NA
Barium	9.44		0.0100	0.00156	mg/L	1		6010B	Total/NA
Cadmium	0.00444	J	0.0100	0.00119	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	1280		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1250		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	24.9		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 570-63426-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.8	J B	8.0	4.0	ug/L	1		8260B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW22

Date Collected: 07/01/21 08:20
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/14/21 14:02	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 14:02	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 14:02	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 14:02	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 14:02	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 14:02	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 14:02	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 14:02	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 14:02	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 14:02	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 14:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 14:02	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 14:02	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 14:02	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 14:02	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 14:02	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 14:02	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 14:02	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 14:02	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 14:02	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 14:02	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 14:02	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 14:02	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 14:02	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 14:02	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 14:02	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 14:02	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 14:02	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 14:02	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 14:02	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 14:02	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 14:02	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 14:02	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 14:02	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 14:02	1
Acetone	ND		8.0	4.0	ug/L			07/14/21 14:02	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 14:02	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 14:02	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 14:02	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 14:02	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 14:02	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 14:02	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 14:02	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 14:02	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 14:02	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 14:02	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 14:02	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 14:02	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/14/21 14:02	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW22
Date Collected: 07/01/21 08:20
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-1
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	0.68	ug/L			07/14/21 14:02	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 14:02	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 14:02	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/14/21 14:02	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 14:02	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 14:02	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 14:02	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 14:02	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 14:02	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 14:02	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 14:02	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 14:02	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 14:02	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 14:02	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 14:02	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 14:02	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 14:02	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 14:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*68 - 135*		*07/14/21 14:02*	*1*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*		*07/14/21 14:02*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/14/21 14:02*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/14/21 14:02*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		07/07/21 06:03	07/07/21 19:42	1
Acenaphthylene	ND		0.19	0.065	ug/L		07/07/21 06:03	07/07/21 19:42	1
Anthracene	ND		0.19	0.056	ug/L		07/07/21 06:03	07/07/21 19:42	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		07/07/21 06:03	07/07/21 19:42	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		07/07/21 06:03	07/07/21 19:42	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 19:42	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/07/21 06:03	07/07/21 19:42	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/07/21 06:03	07/07/21 19:42	1
Chrysene	ND		0.19	0.056	ug/L		07/07/21 06:03	07/07/21 19:42	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 19:42	1
Fluoranthene	ND		0.19	0.064	ug/L		07/07/21 06:03	07/07/21 19:42	1
Fluorene	ND		0.19	0.071	ug/L		07/07/21 06:03	07/07/21 19:42	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/07/21 06:03	07/07/21 19:42	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		07/07/21 06:03	07/07/21 19:42	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/07/21 06:03	07/07/21 19:42	1
Naphthalene	ND		0.19	0.079	ug/L		07/07/21 06:03	07/07/21 19:42	1
Phenanthrene	ND		0.19	0.069	ug/L		07/07/21 06:03	07/07/21 19:42	1
Pyrene	ND		0.19	0.063	ug/L		07/07/21 06:03	07/07/21 19:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*33 - 144*	*07/07/21 06:03*	*07/07/21 19:42*	*1*
Nitrobenzene-d5 (Surr)	*41*		*28 - 139*	*07/07/21 06:03*	*07/07/21 19:42*	*1*
p-Terphenyl-d14 (Surr)	*61*		*23 - 160*	*07/07/21 06:03*	*07/07/21 19:42*	*1*

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW22

Date Collected: 07/01/21 08:20
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-1
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000189**	**J**	0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:09	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:24	1
Barium	**0.0425**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:24	1
Cadmium	**0.00206**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:24	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:24	1
Lead	**0.0147**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:24	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:24	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**276**		5.00	1.69	mg/L			07/14/21 20:08	1
Total Dissolved Solids	**630**		1.00	0.870	mg/L			07/08/21 09:47	1
Chloride	**31.3**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample ID: MW11

Date Collected: 07/01/21 09:09
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/14/21 14:32	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 14:32	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 14:32	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 14:32	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 14:32	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 14:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 14:32	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 14:32	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 14:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 14:32	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 14:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 14:32	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 14:32	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 14:32	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 14:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 14:32	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 14:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 14:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 14:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 14:32	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 14:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 14:32	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 14:32	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 14:32	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 14:32	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 14:32	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW11
Date Collected: 07/01/21 09:09
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 14:32	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 14:32	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 14:32	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 14:32	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 14:32	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 14:32	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 14:32	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 14:32	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 14:32	1
Acetone	ND		8.0	4.0	ug/L			07/14/21 14:32	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 14:32	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 14:32	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 14:32	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 14:32	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 14:32	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 14:32	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 14:32	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 14:32	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 14:32	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 14:32	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 14:32	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 14:32	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/14/21 14:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/21 14:32	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 14:32	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 14:32	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/14/21 14:32	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 14:32	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 14:32	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 14:32	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 14:32	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 14:32	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 14:32	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 14:32	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 14:32	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 14:32	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 14:32	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 14:32	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 14:32	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 14:32	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*68 - 135*		*07/14/21 14:32*	*1*
4-Bromofluorobenzene (Surr)	*94*		*71 - 120*		*07/14/21 14:32*	*1*
Dibromofluoromethane (Surr)	*96*		*80 - 120*		*07/14/21 14:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/14/21 14:32*	*1*

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW11

Date Collected: 07/01/21 09:09
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		07/07/21 06:03	07/07/21 20:02	1
Acenaphthylene	ND		0.19	0.067	ug/L		07/07/21 06:03	07/07/21 20:02	1
Anthracene	ND		0.19	0.057	ug/L		07/07/21 06:03	07/07/21 20:02	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		07/07/21 06:03	07/07/21 20:02	1
Benzo[a]pyrene	ND		0.19	0.061	ug/L		07/07/21 06:03	07/07/21 20:02	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 20:02	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		07/07/21 06:03	07/07/21 20:02	1
Benzo[k]fluoranthene	ND		0.19	0.090	ug/L		07/07/21 06:03	07/07/21 20:02	1
Chrysene	ND		0.19	0.057	ug/L		07/07/21 06:03	07/07/21 20:02	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 20:02	1
Fluoranthene	ND		0.19	0.066	ug/L		07/07/21 06:03	07/07/21 20:02	1
Fluorene	ND		0.19	0.073	ug/L		07/07/21 06:03	07/07/21 20:02	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/07/21 06:03	07/07/21 20:02	1
1-Methylnaphthalene	ND		0.19	0.071	ug/L		07/07/21 06:03	07/07/21 20:02	1
2-Methylnaphthalene	ND		0.19	0.075	ug/L		07/07/21 06:03	07/07/21 20:02	1
Naphthalene	ND		0.19	0.080	ug/L		07/07/21 06:03	07/07/21 20:02	1
Phenanthrene	ND		0.19	0.071	ug/L		07/07/21 06:03	07/07/21 20:02	1
Pyrene	ND		0.19	0.064	ug/L		07/07/21 06:03	07/07/21 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*40*		*33 - 144*	*07/07/21 06:03*	*07/07/21 20:02*	*1*
Nitrobenzene-d5 (Surr)	*31*		*28 - 139*	*07/07/21 06:03*	*07/07/21 20:02*	*1*
p-Terphenyl-d14 (Surr)	*52*		*23 - 160*	*07/07/21 06:03*	*07/07/21 20:02*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000136**	**J**	0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:26	1
Barium	**0.0580**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:26	1
Cadmium	**0.00260**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:26	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:26	1
Lead	**0.0102**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:26	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:26	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**420**		5.00	1.69	mg/L			07/14/21 20:21	1
Total Dissolved Solids	**985**		1.00	0.870	mg/L			07/08/21 09:47	1
Chloride	**147**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample ID: MW10

Date Collected: 07/01/21 09:22
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.94**	**J**	1.0	0.53	ug/L			07/14/21 15:01	2

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW10

Date Collected: 07/01/21 09:22
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.66	ug/L			07/14/21 15:01	2
Ethylbenzene	ND		1.0	0.71	ug/L			07/14/21 15:01	2
o-Xylene	**1.0**		1.0	0.70	ug/L			07/14/21 15:01	2
m,p-Xylene	**3.1**		2.0	1.6	ug/L			07/14/21 15:01	2
Xylenes, Total	**4.1**		2.0	1.6	ug/L			07/14/21 15:01	2
Methyl-t-Butyl Ether (MTBE)	ND		1.0	0.41	ug/L			07/14/21 15:01	2
1,1,1,2-Tetrachloroethane	ND		1.0	0.51	ug/L			07/14/21 15:01	2
1,1,1-Trichloroethane	ND		1.0	0.53	ug/L			07/14/21 15:01	2
1,1,2,2-Tetrachloroethane	ND		1.0	0.39	ug/L			07/14/21 15:01	2
1,1,2-Trichloroethane	ND		1.0	0.17	ug/L			07/14/21 15:01	2
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.50	ug/L			07/14/21 15:01	2
1,1-Dichloroethane	ND		1.0	0.71	ug/L			07/14/21 15:01	2
1,1-Dichloroethene	ND		1.0	0.78	ug/L			07/14/21 15:01	2
1,1-Dichloropropene	ND		1.0	0.48	ug/L			07/14/21 15:01	2
1,2,3-Trichlorobenzene	ND		1.0	0.55	ug/L			07/14/21 15:01	2
1,2,3-Trichloropropane	ND		1.0	0.64	ug/L			07/14/21 15:01	2
1,2,4-Trichlorobenzene	ND		1.0	0.75	ug/L			07/14/21 15:01	2
1,2,4-Trimethylbenzene	**4.9**		1.0	0.57	ug/L			07/14/21 15:01	2
1,3,5-Trimethylbenzene	**4.0**		1.0	0.57	ug/L			07/14/21 15:01	2
c-1,2-Dichloroethene	ND		1.0	0.60	ug/L			07/14/21 15:01	2
1,2-Dibromo-3-Chloropropane	ND		2.0	1.3	ug/L			07/14/21 15:01	2
1,2-Dichlorobenzene	ND		1.0	0.46	ug/L			07/14/21 15:01	2
1,2-Dichloroethane	ND		1.0	0.30	ug/L			07/14/21 15:01	2
1,2-Dichloropropane	ND		1.0	0.48	ug/L			07/14/21 15:01	2
t-1,2-Dichloroethene	ND		1.0	0.72	ug/L			07/14/21 15:01	2
c-1,3-Dichloropropene	ND		1.0	0.38	ug/L			07/14/21 15:01	2
1,3-Dichlorobenzene	ND		1.0	0.51	ug/L			07/14/21 15:01	2
1,3-Dichloropropane	ND		1.0	0.41	ug/L			07/14/21 15:01	2
t-1,3-Dichloropropene	ND		1.0	0.35	ug/L			07/14/21 15:01	2
1,4-Dichlorobenzene	ND		1.0	0.45	ug/L			07/14/21 15:01	2
2,2-Dichloropropane	ND		1.0	0.79	ug/L			07/14/21 15:01	2
2-Chlorotoluene	ND		1.0	0.62	ug/L			07/14/21 15:01	2
4-Chlorotoluene	ND		1.0	0.67	ug/L			07/14/21 15:01	2
4-Methyl-2-pentanone	ND		10	4.5	ug/L			07/14/21 15:01	2
Acetone	ND		16	8.0	ug/L			07/14/21 15:01	2
Bromobenzene	ND		1.0	0.52	ug/L			07/14/21 15:01	2
Bromochloromethane	ND		2.0	0.70	ug/L			07/14/21 15:01	2
Bromoform	ND		1.0	0.78	ug/L			07/14/21 15:01	2
Bromomethane	ND		2.0	1.9	ug/L			07/14/21 15:01	2
Carbon disulfide	ND		2.0	0.49	ug/L			07/14/21 15:01	2
Carbon tetrachloride	ND		1.0	0.54	ug/L			07/14/21 15:01	2
Chlorobenzene	ND		1.0	0.48	ug/L			07/14/21 15:01	2
Dibromochloromethane	ND		1.0	0.54	ug/L			07/14/21 15:01	2
Chloroethane	ND		1.0	0.88	ug/L			07/14/21 15:01	2
Chloroform	ND		1.0	0.57	ug/L			07/14/21 15:01	2
Chloromethane	ND		2.0	0.59	ug/L			07/14/21 15:01	2
Dibromomethane	ND		1.0	0.46	ug/L			07/14/21 15:01	2
Bromodichloromethane	ND		1.0	0.45	ug/L			07/14/21 15:01	2
Dichlorodifluoromethane	ND		2.0	1.4	ug/L			07/14/21 15:01	2

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW10

Date Collected: 07/01/21 09:22
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-3
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		1.0	0.27	ug/L			07/14/21 15:01	2
Hexachloro-1,3-butadiene	ND		2.0	0.63	ug/L			07/14/21 15:01	2
Isopropylbenzene	ND		1.0	0.77	ug/L			07/14/21 15:01	2
2-Butanone	ND		10	6.1	ug/L			07/14/21 15:01	2
Methylene Chloride	ND		2.0	0.96	ug/L			07/14/21 15:01	2
2-Hexanone	ND		12	8.6	ug/L			07/14/21 15:01	2
Naphthalene	ND		2.0	0.64	ug/L			07/14/21 15:01	2
n-Butylbenzene	ND		1.0	0.59	ug/L			07/14/21 15:01	2
N-Propylbenzene	ND		1.0	0.78	ug/L			07/14/21 15:01	2
p-Isopropyltoluene	ND		1.0	0.55	ug/L			07/14/21 15:01	2
sec-Butylbenzene	ND		1.0	0.68	ug/L			07/14/21 15:01	2
Styrene	ND		1.0	0.55	ug/L			07/14/21 15:01	2
tert-Butylbenzene	ND		1.0	0.68	ug/L			07/14/21 15:01	2
Tetrachloroethene	ND		1.0	0.58	ug/L			07/14/21 15:01	2
Trichloroethene	ND		1.0	0.58	ug/L			07/14/21 15:01	2
Trichlorofluoromethane	ND		1.0	0.59	ug/L			07/14/21 15:01	2
Vinyl chloride	ND		1.0	0.80	ug/L			07/14/21 15:01	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 135*		*07/14/21 15:01*	*2*
4-Bromofluorobenzene (Surr)	*95*		*71 - 120*		*07/14/21 15:01*	*2*
Dibromofluoromethane (Surr)	*101*		*80 - 120*		*07/14/21 15:01*	*2*
Toluene-d8 (Surr)	*102*		*80 - 120*		*07/14/21 15:01*	*2*

Client Sample ID: MW31

Date Collected: 07/01/21 10:08
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/14/21 15:31	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 15:31	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 15:31	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 15:31	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 15:31	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 15:31	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 15:31	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 15:31	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 15:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 15:31	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 15:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 15:31	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 15:31	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 15:31	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 15:31	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 15:31	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 15:31	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 15:31	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 15:31	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 15:31	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW31
Date Collected: 07/01/21 10:08
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 15:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 15:31	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 15:31	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 15:31	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 15:31	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 15:31	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 15:31	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 15:31	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 15:31	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 15:31	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 15:31	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 15:31	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 15:31	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 15:31	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 15:31	1
Acetone	ND		8.0	4.0	ug/L			07/14/21 15:31	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 15:31	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 15:31	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 15:31	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 15:31	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 15:31	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 15:31	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 15:31	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 15:31	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 15:31	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 15:31	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 15:31	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 15:31	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/14/21 15:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/21 15:31	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 15:31	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 15:31	1
Isopropylbenzene	**0.41**	**J**	0.50	0.38	ug/L			07/14/21 15:31	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 15:31	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 15:31	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 15:31	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 15:31	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 15:31	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 15:31	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 15:31	1
sec-Butylbenzene	**1.1**		0.50	0.34	ug/L			07/14/21 15:31	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 15:31	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 15:31	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 15:31	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 15:31	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 15:31	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 15:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 135*		*07/14/21 15:31*	*1*

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW31
Date Collected: 07/01/21 10:08
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-4
Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*97*		*71 - 120*		*07/14/21 15:31*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*07/14/21 15:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*07/14/21 15:31*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		07/07/21 06:03	07/07/21 20:21	1
Acenaphthylene	ND		0.19	0.066	ug/L		07/07/21 06:03	07/07/21 20:21	1
Anthracene	ND		0.19	0.056	ug/L		07/07/21 06:03	07/07/21 20:21	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		07/07/21 06:03	07/07/21 20:21	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		07/07/21 06:03	07/07/21 20:21	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 20:21	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/07/21 06:03	07/07/21 20:21	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/07/21 06:03	07/07/21 20:21	1
Chrysene	ND		0.19	0.056	ug/L		07/07/21 06:03	07/07/21 20:21	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 20:21	1
Fluoranthene	ND		0.19	0.065	ug/L		07/07/21 06:03	07/07/21 20:21	1
Fluorene	ND		0.19	0.071	ug/L		07/07/21 06:03	07/07/21 20:21	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/07/21 06:03	07/07/21 20:21	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		07/07/21 06:03	07/07/21 20:21	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		07/07/21 06:03	07/07/21 20:21	1
Naphthalene	ND		0.19	0.079	ug/L		07/07/21 06:03	07/07/21 20:21	1
Phenanthrene	ND		0.19	0.070	ug/L		07/07/21 06:03	07/07/21 20:21	1
Pyrene	ND		0.19	0.063	ug/L		07/07/21 06:03	07/07/21 20:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	*51*		*33 - 144*	*07/07/21 06:03*	*07/07/21 20:21*	*1*
Nitrobenzene-d5 (Surr)	*35*		*28 - 139*	*07/07/21 06:03*	*07/07/21 20:21*	*1*
p-Terphenyl-d14 (Surr)	*57*		*23 - 160*	*07/07/21 06:03*	*07/07/21 20:21*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:42	1
Barium	**0.605**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:42	1
Cadmium	**0.00229**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:42	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:42	1
Lead	**0.0102**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:42	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:42	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**477**		5.00	1.69	mg/L			07/14/21 20:28	1
Total Dissolved Solids	**655**		1.00	0.870	mg/L			07/08/21 09:47	1
Chloride	**42.9**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW6

Date Collected: 07/01/21 11:02
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/14/21 16:01	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 16:01	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 16:01	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 16:01	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 16:01	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 16:01	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 16:01	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 16:01	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 16:01	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 16:01	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 16:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 16:01	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 16:01	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 16:01	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 16:01	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 16:01	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 16:01	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 16:01	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 16:01	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 16:01	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 16:01	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 16:01	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 16:01	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 16:01	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 16:01	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 16:01	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 16:01	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 16:01	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 16:01	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 16:01	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 16:01	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 16:01	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 16:01	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 16:01	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 16:01	1
Acetone	ND		8.0	4.0	ug/L			07/14/21 16:01	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 16:01	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 16:01	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 16:01	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 16:01	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 16:01	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 16:01	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 16:01	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 16:01	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 16:01	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 16:01	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 16:01	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 16:01	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/14/21 16:01	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW6
Date Collected: 07/01/21 11:02
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-5
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	0.68	ug/L			07/14/21 16:01	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 16:01	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 16:01	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/14/21 16:01	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 16:01	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 16:01	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 16:01	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 16:01	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 16:01	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 16:01	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 16:01	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 16:01	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 16:01	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 16:01	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 16:01	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 16:01	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 16:01	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 16:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*		*07/14/21 16:01*	*1*
4-Bromofluorobenzene (Surr)	*96*		*71 - 120*		*07/14/21 16:01*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*07/14/21 16:01*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/14/21 16:01*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		07/07/21 06:03	07/07/21 20:41	1
Acenaphthylene	ND		0.20	0.069	ug/L		07/07/21 06:03	07/07/21 20:41	1
Anthracene	ND		0.20	0.059	ug/L		07/07/21 06:03	07/07/21 20:41	1
Benzo[a]anthracene	ND		0.20	0.085	ug/L		07/07/21 06:03	07/07/21 20:41	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		07/07/21 06:03	07/07/21 20:41	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		07/07/21 06:03	07/07/21 20:41	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		07/07/21 06:03	07/07/21 20:41	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		07/07/21 06:03	07/07/21 20:41	1
Chrysene	ND		0.20	0.059	ug/L		07/07/21 06:03	07/07/21 20:41	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		07/07/21 06:03	07/07/21 20:41	1
Fluoranthene	ND		0.20	0.067	ug/L		07/07/21 06:03	07/07/21 20:41	1
Fluorene	ND		0.20	0.075	ug/L		07/07/21 06:03	07/07/21 20:41	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		07/07/21 06:03	07/07/21 20:41	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		07/07/21 06:03	07/07/21 20:41	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/07/21 06:03	07/07/21 20:41	1
Naphthalene	ND		0.20	0.082	ug/L		07/07/21 06:03	07/07/21 20:41	1
Phenanthrene	ND		0.20	0.073	ug/L		07/07/21 06:03	07/07/21 20:41	1
Pyrene	ND		0.20	0.066	ug/L		07/07/21 06:03	07/07/21 20:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*		*33 - 144*	*07/07/21 06:03*	*07/07/21 20:41*	*1*
Nitrobenzene-d5 (Surr)	*44*		*28 - 139*	*07/07/21 06:03*	*07/07/21 20:41*	*1*
p-Terphenyl-d14 (Surr)	*61*		*23 - 160*	*07/07/21 06:03*	*07/07/21 20:41*	*1*

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW6

Date Collected: 07/01/21 11:02
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-5
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00437**		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:22	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.169**		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:46	1
Barium	**0.761**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:46	1
Cadmium	ND		0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:46	1
Chromium	**0.0248**	**J**	0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:46	1
Lead	**0.0299**	**J**	0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:46	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:46	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**453**		5.00	1.69	mg/L			07/14/21 20:34	1
Total Dissolved Solids	**600**		1.00	0.870	mg/L			07/08/21 09:47	1
Chloride	**3.73**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample ID: MW3

Date Collected: 07/01/21 11:38
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**540**		5.0	2.7	ug/L			07/14/21 16:30	10
Toluene	ND		5.0	3.3	ug/L			07/14/21 16:30	10
Ethylbenzene	**460**		5.0	3.6	ug/L			07/14/21 16:30	10
o-Xylene	ND		5.0	3.5	ug/L			07/14/21 16:30	10
m,p-Xylene	ND		10	7.8	ug/L			07/14/21 16:30	10
Xylenes, Total	ND		10	7.8	ug/L			07/14/21 16:30	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0	2.1	ug/L			07/14/21 16:30	10
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			07/14/21 16:30	10
1,1,1-Trichloroethane	ND		5.0	2.7	ug/L			07/14/21 16:30	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.9	ug/L			07/14/21 16:30	10
1,1,2-Trichloroethane	ND		5.0	0.85	ug/L			07/14/21 16:30	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.5	ug/L			07/14/21 16:30	10
1,1-Dichloroethane	ND		5.0	3.5	ug/L			07/14/21 16:30	10
1,1-Dichloroethene	ND		5.0	3.9	ug/L			07/14/21 16:30	10
1,1-Dichloropropene	ND		5.0	2.4	ug/L			07/14/21 16:30	10
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/L			07/14/21 16:30	10
1,2,3-Trichloropropane	ND		5.0	3.2	ug/L			07/14/21 16:30	10
1,2,4-Trichlorobenzene	ND		5.0	3.8	ug/L			07/14/21 16:30	10
1,2,4-Trimethylbenzene	**11**		5.0	2.9	ug/L			07/14/21 16:30	10
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			07/14/21 16:30	10
c-1,2-Dichloroethene	ND		5.0	3.0	ug/L			07/14/21 16:30	10
1,2-Dibromo-3-Chloropropane	ND		10	6.4	ug/L			07/14/21 16:30	10
1,2-Dichlorobenzene	ND		5.0	2.3	ug/L			07/14/21 16:30	10
1,2-Dichloroethane	ND		5.0	1.5	ug/L			07/14/21 16:30	10
1,2-Dichloropropane	ND		5.0	2.4	ug/L			07/14/21 16:30	10
t-1,2-Dichloroethene	ND		5.0	3.6	ug/L			07/14/21 16:30	10

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW3
Date Collected: 07/01/21 11:38
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		5.0	1.9	ug/L			07/14/21 16:30	10
1,3-Dichlorobenzene	ND		5.0	2.6	ug/L			07/14/21 16:30	10
1,3-Dichloropropane	ND		5.0	2.0	ug/L			07/14/21 16:30	10
t-1,3-Dichloropropene	ND		5.0	1.7	ug/L			07/14/21 16:30	10
1,4-Dichlorobenzene	ND		5.0	2.2	ug/L			07/14/21 16:30	10
2,2-Dichloropropane	ND		5.0	4.0	ug/L			07/14/21 16:30	10
2-Chlorotoluene	ND		5.0	3.1	ug/L			07/14/21 16:30	10
4-Chlorotoluene	ND		5.0	3.4	ug/L			07/14/21 16:30	10
4-Methyl-2-pentanone	ND		50	22	ug/L			07/14/21 16:30	10
Acetone	ND		80	40	ug/L			07/14/21 16:30	10
Bromobenzene	ND		5.0	2.6	ug/L			07/14/21 16:30	10
Bromochloromethane	ND		10	3.5	ug/L			07/14/21 16:30	10
Bromoform	ND		5.0	3.9	ug/L			07/14/21 16:30	10
Bromomethane	ND		10	9.3	ug/L			07/14/21 16:30	10
Carbon disulfide	ND		10	2.4	ug/L			07/14/21 16:30	10
Carbon tetrachloride	ND		5.0	2.7	ug/L			07/14/21 16:30	10
Chlorobenzene	ND		5.0	2.4	ug/L			07/14/21 16:30	10
Dibromochloromethane	ND		5.0	2.7	ug/L			07/14/21 16:30	10
Chloroethane	ND		5.0	4.4	ug/L			07/14/21 16:30	10
Chloroform	ND		5.0	2.8	ug/L			07/14/21 16:30	10
Chloromethane	ND		10	2.9	ug/L			07/14/21 16:30	10
Dibromomethane	ND		5.0	2.3	ug/L			07/14/21 16:30	10
Bromodichloromethane	ND		5.0	2.2	ug/L			07/14/21 16:30	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			07/14/21 16:30	10
1,2-Dibromoethane	ND		5.0	1.4	ug/L			07/14/21 16:30	10
Hexachloro-1,3-butadiene	ND		10	3.2	ug/L			07/14/21 16:30	10
Isopropylbenzene	**42**		5.0	3.8	ug/L			07/14/21 16:30	10
2-Butanone	ND		50	30	ug/L			07/14/21 16:30	10
Methylene Chloride	ND		10	4.8	ug/L			07/14/21 16:30	10
2-Hexanone	ND		60	43	ug/L			07/14/21 16:30	10
Naphthalene	**57**		10	3.2	ug/L			07/14/21 16:30	10
n-Butylbenzene	**4.1**	**J**	5.0	2.9	ug/L			07/14/21 16:30	10
N-Propylbenzene	**39**		5.0	3.9	ug/L			07/14/21 16:30	10
p-Isopropyltoluene	ND		5.0	2.8	ug/L			07/14/21 16:30	10
sec-Butylbenzene	**6.7**		5.0	3.4	ug/L			07/14/21 16:30	10
Styrene	ND		5.0	2.8	ug/L			07/14/21 16:30	10
tert-Butylbenzene	ND		5.0	3.4	ug/L			07/14/21 16:30	10
Tetrachloroethene	ND		5.0	2.9	ug/L			07/14/21 16:30	10
Trichloroethene	ND		5.0	2.9	ug/L			07/14/21 16:30	10
Trichlorofluoromethane	ND		5.0	3.0	ug/L			07/14/21 16:30	10
Vinyl chloride	ND		5.0	4.0	ug/L			07/14/21 16:30	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*		*07/14/21 16:30*	*10*
4-Bromofluorobenzene (Surr)	*96*		*71 - 120*		*07/14/21 16:30*	*10*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*07/14/21 16:30*	*10*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/14/21 16:30*	*10*

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: MW3
Date Collected: 07/01/21 11:38
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.093	ug/L		07/07/21 06:03	07/07/21 21:01	1
Acenaphthylene	**0.072**	**J**	0.19	0.066	ug/L		07/07/21 06:03	07/07/21 21:01	1
Anthracene	ND		0.19	0.056	ug/L		07/07/21 06:03	07/07/21 21:01	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		07/07/21 06:03	07/07/21 21:01	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		07/07/21 06:03	07/07/21 21:01	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 21:01	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		07/07/21 06:03	07/07/21 21:01	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		07/07/21 06:03	07/07/21 21:01	1
Chrysene	ND		0.19	0.056	ug/L		07/07/21 06:03	07/07/21 21:01	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		07/07/21 06:03	07/07/21 21:01	1
Fluoranthene	ND		0.19	0.065	ug/L		07/07/21 06:03	07/07/21 21:01	1
Fluorene	**0.83**		0.19	0.071	ug/L		07/07/21 06:03	07/07/21 21:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		07/07/21 06:03	07/07/21 21:01	1
1-Methylnaphthalene	**15**		0.19	0.070	ug/L		07/07/21 06:03	07/07/21 21:01	1
2-Methylnaphthalene	**17**		0.19	0.073	ug/L		07/07/21 06:03	07/07/21 21:01	1
Naphthalene	**33**		0.95	0.39	ug/L		07/07/21 06:03	07/08/21 13:43	5
Phenanthrene	**0.55**		0.19	0.070	ug/L		07/07/21 06:03	07/07/21 21:01	1
Pyrene	ND		0.19	0.063	ug/L		07/07/21 06:03	07/07/21 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*58*		*33 - 144*	*07/07/21 06:03*	*07/07/21 21:01*	*1*
2-Fluorobiphenyl (Surr)	*57*		*33 - 144*	*07/07/21 06:03*	*07/08/21 13:43*	*5*
Nitrobenzene-d5 (Surr)	*40*		*28 - 139*	*07/07/21 06:03*	*07/07/21 21:01*	*1*
Nitrobenzene-d5 (Surr)	*44*		*28 - 139*	*07/07/21 06:03*	*07/08/21 13:43*	*5*
p-Terphenyl-d14 (Surr)	*39*		*23 - 160*	*07/07/21 06:03*	*07/07/21 21:01*	*1*
p-Terphenyl-d14 (Surr)	*38*		*23 - 160*	*07/07/21 06:03*	*07/08/21 13:43*	*5*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:24	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0395**	**J**	0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 17:48	1
Barium	**9.44**		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 17:48	1
Cadmium	**0.00444**	**J**	0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 17:48	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 17:48	1
Lead	ND		0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 17:48	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 17:48	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 17:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**1280**		5.00	1.69	mg/L			07/14/21 20:43	1
Total Dissolved Solids	**1250**		1.00	0.870	mg/L			07/08/21 09:47	1
Chloride	**24.9**		2.00	0.596	mg/L			07/15/21 21:21	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: TRIP BLANK
Date Collected: 07/01/21 00:00
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			07/14/21 12:33	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 12:33	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 12:33	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 12:33	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 12:33	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 12:33	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 12:33	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 12:33	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 12:33	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 12:33	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 12:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 12:33	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 12:33	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 12:33	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 12:33	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 12:33	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 12:33	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 12:33	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 12:33	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 12:33	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 12:33	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 12:33	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 12:33	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 12:33	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 12:33	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 12:33	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 12:33	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 12:33	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 12:33	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 12:33	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 12:33	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 12:33	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 12:33	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 12:33	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 12:33	1
Acetone	**4.8**	**J B**	8.0	4.0	ug/L			07/14/21 12:33	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 12:33	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 12:33	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 12:33	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 12:33	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 12:33	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 12:33	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 12:33	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 12:33	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 12:33	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 12:33	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 12:33	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 12:33	1
Bromodichloromethane	ND		0.50	0.22	ug/L			07/14/21 12:33	1

Client Sample Results

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

Job ID: 570-63426-1

Client Sample ID: TRIP BLANK
Date Collected: 07/01/21 00:00
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-7
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	0.68	ug/L			07/14/21 12:33	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 12:33	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 12:33	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/14/21 12:33	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 12:33	1
Methylene Chloride	ND		1.0	0.48	ug/L			07/14/21 12:33	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 12:33	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 12:33	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 12:33	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 12:33	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 12:33	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 12:33	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 12:33	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 12:33	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 12:33	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 12:33	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 12:33	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*68 - 135*		*07/14/21 12:33*	*1*
4-Bromofluorobenzene (Surr)	*94*		*71 - 120*		*07/14/21 12:33*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/14/21 12:33*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/14/21 12:33*	*1*

Surrogate Summary

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

Job ID: 570-63426-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-135)	(71-120)	(80-120)	(80-120)
570-63426-1	MW22	91	92	99	102
570-63426-2	MW11	90	94	96	98
570-63426-3	MW10	92	95	101	102
570-63426-4	MW31	92	97	97	99
570-63426-5	MW6	94	96	99	97
570-63426-6	MW3	94	96	100	97
570-63426-7	TRIP BLANK	92	94	102	97
LCS 570-163841/3	Lab Control Sample	93	93	97	97
LCSD 570-163841/4	Lab Control Sample Dup	94	95	99	95
MB 570-163841/6	Method Blank	93	94	102	100

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-63426-1	MW22	53	41	61
570-63426-2	MW11	40	31	52
570-63426-4	MW31	51	35	57
570-63426-5	MW6	55	44	61
570-63426-6	MW3	58	40	39
570-63426-6	MW3	57	44	38
LCS 570-162269/2-A	Lab Control Sample	60	50	71
LCSD 570-162269/3-A	Lab Control Sample Dup	57	54	61
MB 570-162269/1-A	Method Blank	67	46	76

Surrogate Legend

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

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: MB 570-163841/6
Matrix: Water
Analysis Batch: 163841

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	0.27	ug/L			07/14/21 11:34	1
Toluene	ND		0.50	0.33	ug/L			07/14/21 11:34	1
Ethylbenzene	ND		0.50	0.36	ug/L			07/14/21 11:34	1
o-Xylene	ND		0.50	0.35	ug/L			07/14/21 11:34	1
m,p-Xylene	ND		1.0	0.78	ug/L			07/14/21 11:34	1
Xylenes, Total	ND		1.0	0.78	ug/L			07/14/21 11:34	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			07/14/21 11:34	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			07/14/21 11:34	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			07/14/21 11:34	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			07/14/21 11:34	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			07/14/21 11:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			07/14/21 11:34	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			07/14/21 11:34	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			07/14/21 11:34	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			07/14/21 11:34	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			07/14/21 11:34	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			07/14/21 11:34	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			07/14/21 11:34	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			07/14/21 11:34	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			07/14/21 11:34	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			07/14/21 11:34	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			07/14/21 11:34	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			07/14/21 11:34	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			07/14/21 11:34	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			07/14/21 11:34	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			07/14/21 11:34	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			07/14/21 11:34	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			07/14/21 11:34	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			07/14/21 11:34	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			07/14/21 11:34	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			07/14/21 11:34	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			07/14/21 11:34	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			07/14/21 11:34	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			07/14/21 11:34	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			07/14/21 11:34	1
Acetone	4.848	J	8.0	4.0	ug/L			07/14/21 11:34	1
Bromobenzene	ND		0.50	0.26	ug/L			07/14/21 11:34	1
Bromochloromethane	ND		1.0	0.35	ug/L			07/14/21 11:34	1
Bromoform	ND		0.50	0.39	ug/L			07/14/21 11:34	1
Bromomethane	ND		1.0	0.93	ug/L			07/14/21 11:34	1
Carbon disulfide	ND		1.0	0.24	ug/L			07/14/21 11:34	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			07/14/21 11:34	1
Chlorobenzene	ND		0.50	0.24	ug/L			07/14/21 11:34	1
Dibromochloromethane	ND		0.50	0.27	ug/L			07/14/21 11:34	1
Chloroethane	ND		0.50	0.44	ug/L			07/14/21 11:34	1
Chloroform	ND		0.50	0.28	ug/L			07/14/21 11:34	1
Chloromethane	ND		1.0	0.29	ug/L			07/14/21 11:34	1
Dibromomethane	ND		0.50	0.23	ug/L			07/14/21 11:34	1

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: MB 570-163841/6
Matrix: Water
Analysis Batch: 163841

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	0.22	ug/L			07/14/21 11:34	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			07/14/21 11:34	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			07/14/21 11:34	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			07/14/21 11:34	1
Isopropylbenzene	ND		0.50	0.38	ug/L			07/14/21 11:34	1
2-Butanone	ND		5.0	3.0	ug/L			07/14/21 11:34	1
Methylene Chloride	0.9482	J	1.0	0.48	ug/L			07/14/21 11:34	1
2-Hexanone	ND		6.0	4.3	ug/L			07/14/21 11:34	1
Naphthalene	ND		1.0	0.32	ug/L			07/14/21 11:34	1
n-Butylbenzene	ND		0.50	0.29	ug/L			07/14/21 11:34	1
N-Propylbenzene	ND		0.50	0.39	ug/L			07/14/21 11:34	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			07/14/21 11:34	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 11:34	1
Styrene	ND		0.50	0.28	ug/L			07/14/21 11:34	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			07/14/21 11:34	1
Tetrachloroethene	ND		0.50	0.29	ug/L			07/14/21 11:34	1
Trichloroethene	ND		0.50	0.29	ug/L			07/14/21 11:34	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			07/14/21 11:34	1
Vinyl chloride	ND		0.50	0.40	ug/L			07/14/21 11:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 135*		*07/14/21 11:34*	*1*
4-Bromofluorobenzene (Surr)	*94*		*71 - 120*		*07/14/21 11:34*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*07/14/21 11:34*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/14/21 11:34*	*1*

Lab Sample ID: LCS 570-163841/3
Matrix: Water
Analysis Batch: 163841

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	9.019		ug/L		90	80 - 120
Toluene	10.0	9.381		ug/L		94	80 - 120
Ethylbenzene	10.0	9.323		ug/L		93	80 - 120
o-Xylene	10.0	9.315		ug/L		93	80 - 122
m,p-Xylene	20.0	19.05		ug/L		95	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	9.479		ug/L		95	72 - 120
1,1-Dichloroethene	10.0	9.678		ug/L		97	72 - 120
1,2-Dichlorobenzene	10.0	10.10		ug/L		101	79 - 123
1,2-Dichloroethane	10.0	9.613		ug/L		96	71 - 137
Carbon tetrachloride	10.0	10.34		ug/L		103	69 - 145
Chlorobenzene	10.0	10.18		ug/L		102	80 - 120
1,2-Dibromoethane	10.0	10.05		ug/L		101	80 - 120
Hexachloro-1,3-butadiene	10.0	10.96		ug/L		110	76 - 141
Trichloroethene	10.0	10.00		ug/L		100	80 - 123
Vinyl chloride	10.0	8.787		ug/L		88	74 - 130

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: LCS 570-163841/3
Matrix: Water
Analysis Batch: 163841

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 135*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*
Dibromofluoromethane (Surr)	*97*		*80 - 120*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 570-163841/4
Matrix: Water
Analysis Batch: 163841

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	9.505		ug/L		95	80 - 120	5	20
Toluene			10.0	9.713		ug/L		97	80 - 120	3	20
Ethylbenzene			10.0	9.937		ug/L		99	80 - 120	6	20
o-Xylene			10.0	9.867		ug/L		99	80 - 122	6	20
m,p-Xylene			20.0	20.45		ug/L		102	80 - 122	7	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.666		ug/L		97	72 - 120	2	20
1,1-Dichloroethene			10.0	10.58		ug/L		106	72 - 120	9	20
1,2-Dichlorobenzene			10.0	10.76		ug/L		108	79 - 123	6	20
1,2-Dichloroethane			10.0	9.891		ug/L		99	71 - 137	3	20
Carbon tetrachloride			10.0	11.16		ug/L		112	69 - 145	8	20
Chlorobenzene			10.0	10.78		ug/L		108	80 - 120	6	20
1,2-Dibromoethane			10.0	10.51		ug/L		105	80 - 120	4	20
Hexachloro-1,3-butadiene			10.0	12.04		ug/L		120	76 - 141	9	23
Trichloroethene			10.0	10.21		ug/L		102	80 - 123	2	20
Vinyl chloride			10.0	9.683		ug/L		97	74 - 130	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*
4-Bromofluorobenzene (Surr)	*95*		*71 - 120*
Dibromofluoromethane (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*95*		*80 - 120*

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

Lab Sample ID: MB 570-162269/1-A
Matrix: Water
Analysis Batch: 162336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 162269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		07/07/21 06:03	07/07/21 19:23	1
Acenaphthylene	ND		0.20	0.069	ug/L		07/07/21 06:03	07/07/21 19:23	1
Anthracene	ND		0.20	0.059	ug/L		07/07/21 06:03	07/07/21 19:23	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		07/07/21 06:03	07/07/21 19:23	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		07/07/21 06:03	07/07/21 19:23	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		07/07/21 06:03	07/07/21 19:23	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		07/07/21 06:03	07/07/21 19:23	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		07/07/21 06:03	07/07/21 19:23	1
Chrysene	ND		0.20	0.059	ug/L		07/07/21 06:03	07/07/21 19:23	1

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: MB 570-162269/1-A
Matrix: Water
Analysis Batch: 162336

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 162269

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		07/07/21 06:03	07/07/21 19:23	1
Fluoranthene	ND		0.20	0.068	ug/L		07/07/21 06:03	07/07/21 19:23	1
Fluorene	ND		0.20	0.075	ug/L		07/07/21 06:03	07/07/21 19:23	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		07/07/21 06:03	07/07/21 19:23	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		07/07/21 06:03	07/07/21 19:23	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		07/07/21 06:03	07/07/21 19:23	1
Naphthalene	ND		0.20	0.083	ug/L		07/07/21 06:03	07/07/21 19:23	1
Phenanthrene	ND		0.20	0.073	ug/L		07/07/21 06:03	07/07/21 19:23	1
Pyrene	ND		0.20	0.066	ug/L		07/07/21 06:03	07/07/21 19:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*67*		*33 - 144*	*07/07/21 06:03*	*07/07/21 19:23*	*1*
Nitrobenzene-d5 (Surr)	*46*		*28 - 139*	*07/07/21 06:03*	*07/07/21 19:23*	*1*
p-Terphenyl-d14 (Surr)	*76*		*23 - 160*	*07/07/21 06:03*	*07/07/21 19:23*	*1*

Lab Sample ID: LCS 570-162269/2-A
Matrix: Water
Analysis Batch: 162336

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 162269

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.467		ug/L		73	55 - 121
Acenaphthylene	2.00	1.687		ug/L		84	33 - 145
Anthracene	2.00	1.746		ug/L		87	27 - 133
Benzo[a]anthracene	2.00	1.657		ug/L		83	33 - 143
Benzo[a]pyrene	2.00	1.749		ug/L		87	17 - 163
Benzo[b]fluoranthene	2.00	1.618		ug/L		81	24 - 159
Benzo[g,h,i]perylene	2.00	1.635		ug/L		82	25 - 157
Benzo[k]fluoranthene	2.00	1.594		ug/L		80	24 - 159
Chrysene	2.00	1.741		ug/L		87	17 - 168
Dibenz(a,h)anthracene	2.00	1.594		ug/L		80	25 - 175
Fluoranthene	2.00	1.726		ug/L		86	26 - 137
Fluorene	2.00	1.549		ug/L		77	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	1.602		ug/L		80	25 - 175
1-Methylnaphthalene	2.00	1.246		ug/L		62	20 - 140
2-Methylnaphthalene	2.00	1.552		ug/L		78	21 - 140
Naphthalene	2.00	1.211		ug/L		61	21 - 133
Phenanthrene	2.00	1.525		ug/L		76	54 - 120
Pyrene	2.00	1.786		ug/L		89	45 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*60*		*33 - 144*
Nitrobenzene-d5 (Surr)	*50*		*28 - 139*
p-Terphenyl-d14 (Surr)	*71*		*23 - 160*

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: LCSD 570-162269/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 162336 — **Prep Batch: 162269**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			2.00	1.329		ug/L		66	55 - 121	10	25
Acenaphthylene			2.00	1.621		ug/L		81	33 - 145	4	25
Anthracene			2.00	1.660		ug/L		83	27 - 133	5	25
Benzo[a]anthracene			2.00	1.535		ug/L		77	33 - 143	8	25
Benzo[a]pyrene			2.00	1.630		ug/L		82	17 - 163	7	25
Benzo[b]fluoranthene			2.00	1.479		ug/L		74	24 - 159	9	25
Benzo[g,h,i]perylene			2.00	1.495		ug/L		75	25 - 157	9	25
Benzo[k]fluoranthene			2.00	1.501		ug/L		75	24 - 159	6	25
Chrysene			2.00	1.595		ug/L		80	17 - 168	9	25
Dibenz(a,h)anthracene			2.00	1.498		ug/L		75	25 - 175	6	25
Fluoranthene			2.00	1.544		ug/L		77	26 - 137	11	25
Fluorene			2.00	1.450		ug/L		73	59 - 121	7	25
Indeno[1,2,3-cd]pyrene			2.00	1.458		ug/L		73	25 - 175	9	25
1-Methylnaphthalene			2.00	1.433		ug/L		72	20 - 140	14	25
2-Methylnaphthalene			2.00	1.523		ug/L		76	21 - 140	2	25
Naphthalene			2.00	1.285		ug/L		64	21 - 133	6	25
Phenanthrene			2.00	1.386		ug/L		69	54 - 120	10	25
Pyrene			2.00	1.587		ug/L		79	45 - 129	12	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*57*		*33 - 144*
Nitrobenzene-d5 (Surr)	*54*		*28 - 139*
p-Terphenyl-d14 (Surr)	*61*		*23 - 160*

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-163439/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 163957 — **Prep Batch: 163439**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		07/12/21 15:00	07/14/21 13:04	1

Lab Sample ID: LCS 570-163439/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 163957 — **Prep Batch: 163439**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury			0.0100	0.01003		mg/L		100	85 - 115

Lab Sample ID: LCSD 570-163439/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 163957 — **Prep Batch: 163439**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.0100	0.009031		mg/L		90	85 - 115	10	10

QC Sample Results

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

Job ID: 570-63426-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: 570-63426-1 MS
Matrix: Water
Analysis Batch: 163957

Client Sample ID: MW22
Prep Type: Total/NA
Prep Batch: 163439

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000189	J	0.0100	0.009035		mg/L		88	70 - 130

Lab Sample ID: 570-63426-1 MSD
Matrix: Water
Analysis Batch: 163957

Client Sample ID: MW22
Prep Type: Total/NA
Prep Batch: 163439

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000189	J	0.0100	0.008619		mg/L		84	70 - 130	5	10

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-63351-E-2-B MS
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 162120

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5210		mg/L		104	80 - 140
Barium	0.0466		0.500	0.6136		mg/L		113	87 - 123
Cadmium	0.00629	J	0.500	0.5191		mg/L		103	82 - 124
Chromium	0.0177	J	0.500	0.5557		mg/L		108	86 - 122
Lead	0.0133	J	0.500	0.4912		mg/L		96	84 - 120
Selenium	ND		0.500	0.4908		mg/L		98	79 - 127
Silver	ND		0.250	0.2442		mg/L		98	86 - 128

Lab Sample ID: 570-63351-E-2-C MSD
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 162120

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5209		mg/L		104	80 - 140	0	11
Barium	0.0466		0.500	0.6141		mg/L		113	87 - 123	0	6
Cadmium	0.00629	J	0.500	0.5178		mg/L		102	82 - 124	0	7
Chromium	0.0177	J	0.500	0.5554		mg/L		108	86 - 122	0	8
Lead	0.0133	J	0.500	0.4875		mg/L		95	84 - 120	1	7
Selenium	ND		0.500	0.5243		mg/L		105	79 - 127	7	9
Silver	ND		0.250	0.2450		mg/L		98	86 - 128	0	7

Lab Sample ID: MB 570-162120/1-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0215	mg/L		07/06/21 12:30	07/09/21 10:33	1
Barium	ND		0.0100	0.00156	mg/L		07/06/21 12:30	07/09/21 10:33	1
Cadmium	ND		0.0100	0.00119	mg/L		07/06/21 12:30	07/09/21 10:33	1
Chromium	ND		0.0500	0.00858	mg/L		07/06/21 12:30	07/09/21 10:33	1
Lead	ND		0.0500	0.00796	mg/L		07/06/21 12:30	07/09/21 10:33	1
Selenium	ND		0.100	0.0344	mg/L		07/06/21 12:30	07/09/21 10:33	1
Silver	ND		0.0100	0.00582	mg/L		07/06/21 12:30	07/09/21 10:33	1

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: LCS 570-162120/2-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			0.500	0.5240		mg/L		105	80 - 120		
Barium			0.500	0.5842		mg/L		117	80 - 120		
Cadmium			0.500	0.5488		mg/L		110	80 - 120		
Chromium			0.500	0.5564		mg/L		111	80 - 120		
Lead			0.500	0.5317		mg/L		106	80 - 120		
Selenium			0.500	0.5391		mg/L		108	80 - 120		
Silver			0.250	0.2853		mg/L		114	80 - 120		

Lab Sample ID: LCSD 570-162120/3-A
Matrix: Water
Analysis Batch: 163054

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 162120

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			0.500	0.5355		mg/L		107	80 - 120	2	20
Barium			0.500	0.5778		mg/L		116	80 - 120	1	20
Cadmium			0.500	0.5445		mg/L		109	80 - 120	1	20
Chromium			0.500	0.5506		mg/L		110	80 - 120	1	20
Lead			0.500	0.5274		mg/L		105	80 - 120	1	20
Selenium			0.500	0.5308		mg/L		106	80 - 120	2	20
Silver			0.250	0.2838		mg/L		114	80 - 120	1	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-164160/41
Matrix: Water
Analysis Batch: 164160

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			07/14/21 20:01	1

Lab Sample ID: LCS 570-164160/38
Matrix: Water
Analysis Batch: 164160

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	96.82		mg/L		97	80 - 120		

Lab Sample ID: LCSD 570-164160/40
Matrix: Water
Analysis Batch: 164160

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	96.72		mg/L		97	80 - 120	0	20

Lab Sample ID: 570-63426-1 DU
Matrix: Water
Analysis Batch: 164160

Client Sample ID: MW22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total (As CaCO3)	276			276.5		mg/L				0.3	25

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: MB 570-162687/1
Matrix: Water
Analysis Batch: 162687

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		0.400	0.348	mg/L			07/08/21 09:47	1

Lab Sample ID: LCS 570-162687/2
Matrix: Water
Analysis Batch: 162687

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	102.5		mg/L		103	84 - 108

Lab Sample ID: LCSD 570-162687/3
Matrix: Water
Analysis Batch: 162687

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	102.5		mg/L		103	84 - 108	0	10

Lab Sample ID: 570-63426-1 DU
Matrix: Water
Analysis Batch: 162687

Client Sample ID: MW22
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	630		620.0		mg/L		2	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-164357/1
Matrix: Water
Analysis Batch: 164357

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	0.596	mg/L			07/15/21 21:21	1

Lab Sample ID: LCS 570-164357/2
Matrix: Water
Analysis Batch: 164357

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	105.1		mg/L		105	80 - 120

Lab Sample ID: LCSD 570-164357/3
Matrix: Water
Analysis Batch: 164357

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	104.3		mg/L		104	80 - 120	1	10

QC Sample Results

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

Job ID: 570-63426-1

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

Lab Sample ID: 570-63822-C-1 MS
Matrix: Water
Analysis Batch: 164357

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	997		5000	6182		mg/L		104	75 - 125

Lab Sample ID: 570-63822-C-1 MSD
Matrix: Water
Analysis Batch: 164357

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	997		5000	6161		mg/L		103	75 - 125	0	15

Lab Sample ID: 570-63822-C-1 DU
Matrix: Water
Analysis Batch: 164357

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	997		961.5		mg/L		4	15

QC Association Summary

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

Job ID: 570-63426-1

GC/MS VOA

Analysis Batch: 163841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	8260B	
570-63426-2	MW11	Total/NA	Water	8260B	
570-63426-3	MW10	Total/NA	Water	8260B	
570-63426-4	MW31	Total/NA	Water	8260B	
570-63426-5	MW6	Total/NA	Water	8260B	
570-63426-6	MW3	Total/NA	Water	8260B	
570-63426-7	TRIP BLANK	Total/NA	Water	8260B	
MB 570-163841/6	Method Blank	Total/NA	Water	8260B	
LCS 570-163841/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-163841/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 162269

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	3510C	
570-63426-2	MW11	Total/NA	Water	3510C	
570-63426-4	MW31	Total/NA	Water	3510C	
570-63426-5	MW6	Total/NA	Water	3510C	
570-63426-6	MW3	Total/NA	Water	3510C	
MB 570-162269/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-162269/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-162269/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 162336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	8270C SIM	162269
570-63426-2	MW11	Total/NA	Water	8270C SIM	162269
570-63426-4	MW31	Total/NA	Water	8270C SIM	162269
570-63426-5	MW6	Total/NA	Water	8270C SIM	162269
570-63426-6	MW3	Total/NA	Water	8270C SIM	162269
MB 570-162269/1-A	Method Blank	Total/NA	Water	8270C SIM	162269
LCS 570-162269/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	162269
LCSD 570-162269/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	162269

Analysis Batch: 162688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-6	MW3	Total/NA	Water	8270C SIM	162269

Metals

Prep Batch: 162120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	3005A	
570-63426-2	MW11	Total/NA	Water	3005A	
570-63426-4	MW31	Total/NA	Water	3005A	
570-63426-5	MW6	Total/NA	Water	3005A	
570-63426-6	MW3	Total/NA	Water	3005A	
MB 570-162120/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-162120/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-162120/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-63351-E-2-B MS	Matrix Spike	Total/NA	Water	3005A	

QC Association Summary

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

Job ID: 570-63426-1

Metals (Continued)

Prep Batch: 162120 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63351-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 163054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	6010B	162120
570-63426-2	MW11	Total/NA	Water	6010B	162120
570-63426-4	MW31	Total/NA	Water	6010B	162120
570-63426-5	MW6	Total/NA	Water	6010B	162120
570-63426-6	MW3	Total/NA	Water	6010B	162120
MB 570-162120/1-A	Method Blank	Total Recoverable	Water	6010B	162120
LCS 570-162120/2-A	Lab Control Sample	Total Recoverable	Water	6010B	162120
LCSD 570-162120/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	162120
570-63351-E-2-B MS	Matrix Spike	Total/NA	Water	6010B	162120
570-63351-E-2-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	162120

Prep Batch: 163439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	245.1	
570-63426-2	MW11	Total/NA	Water	245.1	
570-63426-4	MW31	Total/NA	Water	245.1	
570-63426-5	MW6	Total/NA	Water	245.1	
570-63426-6	MW3	Total/NA	Water	245.1	
MB 570-163439/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-163439/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-163439/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-63426-1 MS	MW22	Total/NA	Water	245.1	
570-63426-1 MSD	MW22	Total/NA	Water	245.1	

Analysis Batch: 163957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	245.1	163439
570-63426-2	MW11	Total/NA	Water	245.1	163439
570-63426-4	MW31	Total/NA	Water	245.1	163439
570-63426-5	MW6	Total/NA	Water	245.1	163439
570-63426-6	MW3	Total/NA	Water	245.1	163439
MB 570-163439/1-A	Method Blank	Total/NA	Water	245.1	163439
LCS 570-163439/2-A	Lab Control Sample	Total/NA	Water	245.1	163439
LCSD 570-163439/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	163439
570-63426-1 MS	MW22	Total/NA	Water	245.1	163439
570-63426-1 MSD	MW22	Total/NA	Water	245.1	163439

General Chemistry

Analysis Batch: 162687

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	SM 2540C	
570-63426-2	MW11	Total/NA	Water	SM 2540C	
570-63426-4	MW31	Total/NA	Water	SM 2540C	
570-63426-5	MW6	Total/NA	Water	SM 2540C	
570-63426-6	MW3	Total/NA	Water	SM 2540C	
MB 570-162687/1	Method Blank	Total/NA	Water	SM 2540C	

QC Association Summary

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

Job ID: 570-63426-1

General Chemistry (Continued)

Analysis Batch: 162687 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 570-162687/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-162687/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-63426-1 DU	MW22	Total/NA	Water	SM 2540C	

Analysis Batch: 164160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	SM 2320B	
570-63426-2	MW11	Total/NA	Water	SM 2320B	
570-63426-4	MW31	Total/NA	Water	SM 2320B	
570-63426-5	MW6	Total/NA	Water	SM 2320B	
570-63426-6	MW3	Total/NA	Water	SM 2320B	
MB 570-164160/41	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-164160/38	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-164160/40	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-63426-1 DU	MW22	Total/NA	Water	SM 2320B	

Analysis Batch: 164357

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-63426-1	MW22	Total/NA	Water	SM 4500 Cl- C	
570-63426-2	MW11	Total/NA	Water	SM 4500 Cl- C	
570-63426-4	MW31	Total/NA	Water	SM 4500 Cl- C	
570-63426-5	MW6	Total/NA	Water	SM 4500 Cl- C	
570-63426-6	MW3	Total/NA	Water	SM 4500 Cl- C	
MB 570-164357/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-164357/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-164357/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-63822-C-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Lab Chronicle

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

Job ID: 570-63426-1

Client Sample ID: MW22

Date Collected: 07/01/21 08:20
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-1
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	163841	07/14/21 14:02	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1052 mL	2 mL	162269	07/07/21 06:03	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162336	07/07/21 19:42	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:09	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:24	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 20:08	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162687	07/08/21 09:47	UWCT	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: MW11

Date Collected: 07/01/21 09:09
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-2
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	163841	07/14/21 14:32	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1031.4 mL	2 mL	162269	07/07/21 06:03	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162336	07/07/21 20:02	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:15	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:26	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 20:21	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162687	07/08/21 09:47	UWCT	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Lab Chronicle

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

Job ID: 570-63426-1

Client Sample ID: MW10
Date Collected: 07/01/21 09:22
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-3
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		2	20 mL	20 mL	163841	07/14/21 15:01	OH1	ECL 2
	Instrument ID: GCMSWW									

Client Sample ID: MW31
Date Collected: 07/01/21 10:08
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-4
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	163841	07/14/21 15:31	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1049.2 mL	2 mL	162269	07/07/21 06:03	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162336	07/07/21 20:21	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:17	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:42	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 20:28	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162687	07/08/21 09:47	UWCT	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: MW6
Date Collected: 07/01/21 11:02
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-5
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	163841	07/14/21 16:01	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1004.8 mL	2 mL	162269	07/07/21 06:03	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162336	07/07/21 20:41	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:22	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:46	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 20:34	ZHU8	ECL 1
	Instrument ID: ManSciMantech									

Lab Chronicle

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

Job ID: 570-63426-1

Client Sample ID: MW6

Date Collected: 07/01/21 11:02
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-5
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	SM 2540C		1	20 mL	20 mL	162687	07/08/21 09:47	UWCT	ECL 1
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: MW3

Date Collected: 07/01/21 11:38
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-6
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		10	20 mL	20 mL	163841	07/14/21 16:30	OH1	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1049.6 mL	2 mL	162269	07/07/21 06:03	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		1			162336	07/07/21 21:01	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	3510C			1049.6 mL	2 mL	162269	07/07/21 06:03	H1SH	ECL 1
Total/NA	Analysis	8270C SIM		5			162688	07/08/21 13:43	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	163439	07/12/21 15:00	B4SY	ECL 1
Total/NA	Analysis	245.1		1			163957	07/14/21 13:24	VWJ7	ECL 1
	Instrument ID: HG8									
Total/NA	Prep	3005A			50 mL	50 mL	162120	07/06/21 12:30	B4SY	ECL 1
Total/NA	Analysis	6010B		1			163054	07/09/21 17:48	ULPF	ECL 1
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	164160	07/14/21 20:43	ZHU8	ECL 1
	Instrument ID: ManSciMantech									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	162687	07/08/21 09:47	UWCT	ECL 1
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	164357	07/15/21 21:21	WN6Y	ECL 1
	Instrument ID: NoEquip									

Client Sample ID: TRIP BLANK

Date Collected: 07/01/21 00:00
Date Received: 07/02/21 10:15

Lab Sample ID: 570-63426-7
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	163841	07/14/21 12:33	OH1	ECL 2
	Instrument ID: GCMSWW									

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: 570-63426-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience LLC

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	CA300001	01-30-22

Method Summary

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

Job ID: 570-63426-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
245.1	Mercury (CVAA)	EPA	ECL 1
6010B	Metals (ICP)	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
245.1	Preparation, Mercury	EPA	ECL 1
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ECL 1
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

EPA = US Environmental Protection Agency

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

63426

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 / 3612

CHAIN OF CUSTODY RECORD

DATE 07/1/21
PAGE 1 OF 1

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@cardno.com

GLOBAL ID #/ COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): Jose Vasquez

EMES Sub Agreement #A2604415
LAB USE ONLY
COOLER RECEIPT Temp = ____ °C

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

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

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

570-63426 Chain of Custody

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MAT-RIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As Ba, Cd, Cr Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	MW 22	MW22	07/1/21	08:20	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3 250mL Plastic, [illegible]
2	MW 11	MW 11	07/1/21	09:09	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic,
3	MW 10	MW 10	07/1/21	09:22	W	3	X					3 vials with HCL, 1
4	MW 31	MW 31	07/1/21	10:08	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic,
5	MW 6	MW 6	07/1/21	11:02	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
6	MW 3	MW 3	07/1/21	11:38	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
7	TRIP BLANK	QCTB	07/1/21	—	W	2	X					
8					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
9					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
10					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
11					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
12					W	7						3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 7/2/21 10:15
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

2-9/2 J SCG

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-63426-1

Login Number: 63426
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience LLC

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

DISPOSAL DOCUMENTATION

ALAMO 1

BILL OF LADING

AR21-00385

GENERATOR

GENERATING NAME AND ADDRESS:
ExxonMobil Pipeline Company c/o Cardno
4572 Telephone Road, #916
Ventura, CA 93003
PHONE NO: (805) 644-4157

GENERATING LOCATION/ADDRESS:
ExxonMobil Pipeline 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
LNAPL/Purge Water for Recycle (Non-DOT, Non-RCRA Regulated)	N/A	50	G	1	D

TYPE: D - DRUM, C. CARTON, B - BAG, T - TRUCK, P - POUNDS, Y - YARDS, O - OTHER

GENERATOR AUTHORIZED AGENT NAME: Nicholas Kincaid

SIGNATURE: On behalf of Exxon Mobil

SHIPMENT DATE: 7-1-21

TRANSPORTER

TRUCK NO: 15018

PHONE NO: (800) 322-5085

TRANSPORTER NAME: Alamo1

DRIVER NAME (PRINT): Matthew Wadsworth

ADDRESS: 2900 Nacogdoches Road
San Antonio, TX 78217

VEHICLE LICENSE NO./STATE: FYC 1338 / TX

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.

DRIVER SIGNATURE: Matthew Wadsworth

SHIPMENT DATE: 7.1.21

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

DRIVER SIGNATURE: Matthew Wadsworth

SHIPMENT DATE: 07-08-21

DESTINATION

SITE NAME: Alamo Petroleum Exchange

PHONE NO: (979) 542-9400

ADDRESS: 2495 US-77, Giddings, Texas 78942

US EPA ID NO: TX0000359190

STATE FACILITIES ID: 85283

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: Kim Chastain

SIGNATURE: Kim Chastain

RECEIPT DATE: 7/8/21

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

Action 409550

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409550
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	First Half 2021 Groundwater Monitoring Report, accepted for the record. App ID: 409550	12/11/2024