

ExxonMobil
Environmental and Property Solutions Company
22777 Springwoods Village Parkway
Wellness 2, 2A
Spring, Texas 77389
346-268-3626 Mobile
Homero.gonzalez@exxonmobil.com

Homero Gonzalez
Project Manager



February 15, 2021

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

SUBJECT **Second Half 2020 Groundwater Monitoring Report**
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 **Second Half 2020 Groundwater Monitoring Report** dated February 15, 2021, for the above-referenced site. The report was prepared by Cardno, at the request of ExxonMobil Environmental & Property Solutions, and details the activities performed at the site during the subject reporting period.

If you have any questions regarding the content of this report, please contact me at 346.268.3626.

Sincerely,

A handwritten signature in black ink, appearing to read "Homero", written over a horizontal line.

Homero Gonzalez
Project Manager

Attachment: Cardno's **Second Half 2020 Groundwater Monitoring Report** dated February 15, 2021

cc: Mr. James Anderson, Cardno
Mr. and Mrs. Tommy and Sarah Burrus, property owner



March 22, 2021
Cardno 01361204.Q204

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

Cardno

1735 E Wilshire Ave #805
Santa Ana, CA 92705
USA

Phone +1.800.499.8950
Fax 949.457.8956

www.cardno.com

SUBJECT **Second Half 2020 Groundwater Monitoring Report**
Gladiola Station
Lea County, New Mexico
OCD No. AP038

Mr. Billings:

At the request of ExxonMobil Environmental and Property Solutions, behalf of ExxonMobil Pipeline Company, Cardno is submitting the *Second Half 2020 Groundwater Monitoring Report* for the subject site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates into one summary report.

Please call the undersigned at 805.701.1420 if you have questions.

Sincerely,

A handwritten signature in black ink that reads "James Anderson".

James Anderson
Senior Program Manager
for Cardno
Direct Line: 805.701.1420
Email: james.anderson@cardno.com

cc: Mr. Homero Gonzalez, ExxonMobil Environmental and Property Solutions Company

Second Half 2020 Groundwater Monitoring Report

Gladiola Station
Lea County, New Mexico
OCD No. AP038

Cardno 01361204.Q204

Prepared for
ExxonMobil Environmental and Property
Solutions Company

March 22, 2021



Second Half 2020 Groundwater Monitoring Report

Gladiola Station
Lea County, New Mexico
OCD No. AP038

Cardno 01361204.Q204

March 22, 2021



James Anderson
Senior Program Manager
for Cardno
Direct Line: 805.701.1420
Email: james.anderson@cardno.com

Table of Contents

1	Introduction	1
2	Site Description	1
3	Geology and Hydrogeology	1
4	Regulatory Framework and Site Classification	2
5	Previous Work	3
5.1	Pumping Station Activities	3
5.2	Site Assessment Activities	4
5.3	Remediation Activities	4
5.4	Groundwater Monitoring Activities	4
6	Field Activities	6
6.1	Monitoring Well Gauging and Purging	6
6.2	Monitoring Well Sampling	6
6.3	NAPL Bailing	7
6.4	Waste Management	7
7	Results	7
8	Conclusions	8
9	Recommendations and Work in Progress	8
10	Contact Information	8
11	Limitations	8
12	References	9
13	Acronym List	10

Plates

Plate 1	Site Location Map
Plate 2	Generalized Site Plan
Plate 3	Groundwater Elevation Map
Plate 4	Groundwater Analytical Results – Petroleum Hydrocarbons
Plate 5	Groundwater Analytical Results – TDS and Chloride

Tables

Table 1	Water Level Measurements and Groundwater Analyses
Table 2	Groundwater Analytical Results for PAHs
Table 3	Groundwater Analytical Results for Metals and Additional Parameters
Table 4	Cumulative Water Level Measurements and Groundwater Analyses
Table 5	Cumulative Groundwater Analytical Results for PAHs
Table 6	Cumulative Groundwater Analytical Results for Metals and Additional Parameters
Table 7	Constituents Detected in Groundwater by Full Scan 8260B – Cumulative Data

Appendices

Appendix A	Field Data Sheets
Appendix B	Laboratory Analytical Reports
Appendix C	Waste Disposal Documentation

1 Introduction

At the request of ExxonMobil Environmental and Property Solutions, on behalf ExxonMobil Pipeline Company (ExxonMobil), Cardno prepared this semi-annual groundwater monitoring report for the site. The event included gauging the monitoring wells, sampling the groundwater in wells without NAPL, and bailing NAPL from the wells with NAPL.

2 Site Description

Gladiola Station is located in northeastern Lea County, New Mexico (Plate 1). The site is located at latitude 33.300745 degrees (°) and longitude -103.111117° 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

¹Total 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 through 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 through 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).

6 Field Activities

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

6.1 Monitoring Well Gauging and Purging

On December 14, 2020, monitoring wells MW-1 through MW-32 were gauged with the exception of well MW-8. Monitoring well MW-8 was not located and is presumed to have been destroyed in 2013.

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

In wells without NAPL, 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 December 15 and 16, 2020, groundwater samples were collected from the monitoring wells without NAPL.

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

After purging, groundwater samples were collected through a 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 December 17, 2020, NAPL was bailed from the wells with NAPL, as detailed in the following table.

NAPL Bailed from Site Wells

Well	Approximate NAPL-Water Mixture Removed
MW-1	0.25 gallon (1/16 inch of NAPL on top of water)
MW-4	0.5 gallon (1/8 inch of NAPL on top of water)
MW-5	0.5 gallon (1/16 inch of NAPL on top of water)
MW-9	0.5 gallon (1/8 inch of NAPL on top of water)
MW-12	1.0 gallon (1/8 inch of NAPL on top of water)
MW-13	1.0 gallon (1/2 inch of NAPL on top of water)
MW-14	1.0 gallon (1/4 inch of NAPL on top of water)
MW-15	1.0 gallon (1/8 inch of NAPL on top of water)
MW-16	1.0 gallon (1/8 inch of NAPL on top of water)
MW-18	1.25 gallons (1/2 inch of NAPL on top of water)
MW-20	3.0 gallons (1.75 gallons of water, 1.25 gallons of NAPL)
MW-21	0.75 gallon (1/16 inch of NAPL on top of water)
MW-23	0.5 gallon (1/8 inch of NAPL on top of water)
MW-24	1.0 gallon (3/4 inch of NAPL on top of water)
MW-25	0.5 gallon (1/8 inch of NAPL on top of water)
MW-26	2.0 gallons (1.25 gallons of water, 0.75 gallon of NAPL)
Total	15.75 gallons

6.4 Waste Management

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

7 Results

Measurable NAPL was encountered in wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-21, and MW-23 through MW-26. NAPL thickness ranged from 0.04 foot (MW-1) to 1.74 feet (MW-26).

Measured groundwater levels in the wells ranged from 36.38 feet below TOC (well MW-3) to 41.82 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.

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 (first time well has been sampled since 2009 due to the presence of NAPL).
- **MW-17:** Benzene, barium, and total naphthalene (stable trend).
- **MW-27:** Chloride (stable trend).
- **MW-28:** Total dissolved solids (stable trend).
- **MW-31:** Total dissolved solids (first exceedance in this well).

A map showing the extent of NAPL and groundwater concentrations for BTEX and total naphthalene are presented on Plate 4 and TDS and chloride 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. The lateral assessment of NAPL and dissolved-phase hydrocarbon constituents of concern are delineated with the exception of to the southeast of well MW-3, 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.
- Additional assessment to delineate the lateral extent of LNAPL.
- Continuing semi-annual groundwater monitoring at the site.

During the first half of 2021, ExxonMobil will submit this second half 2020 groundwater monitoring report, conduct the first half 2021 groundwater monitoring event, and conduct further investigation of the source of the LNAPL centered around wells MW-5 and MW-15.

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.

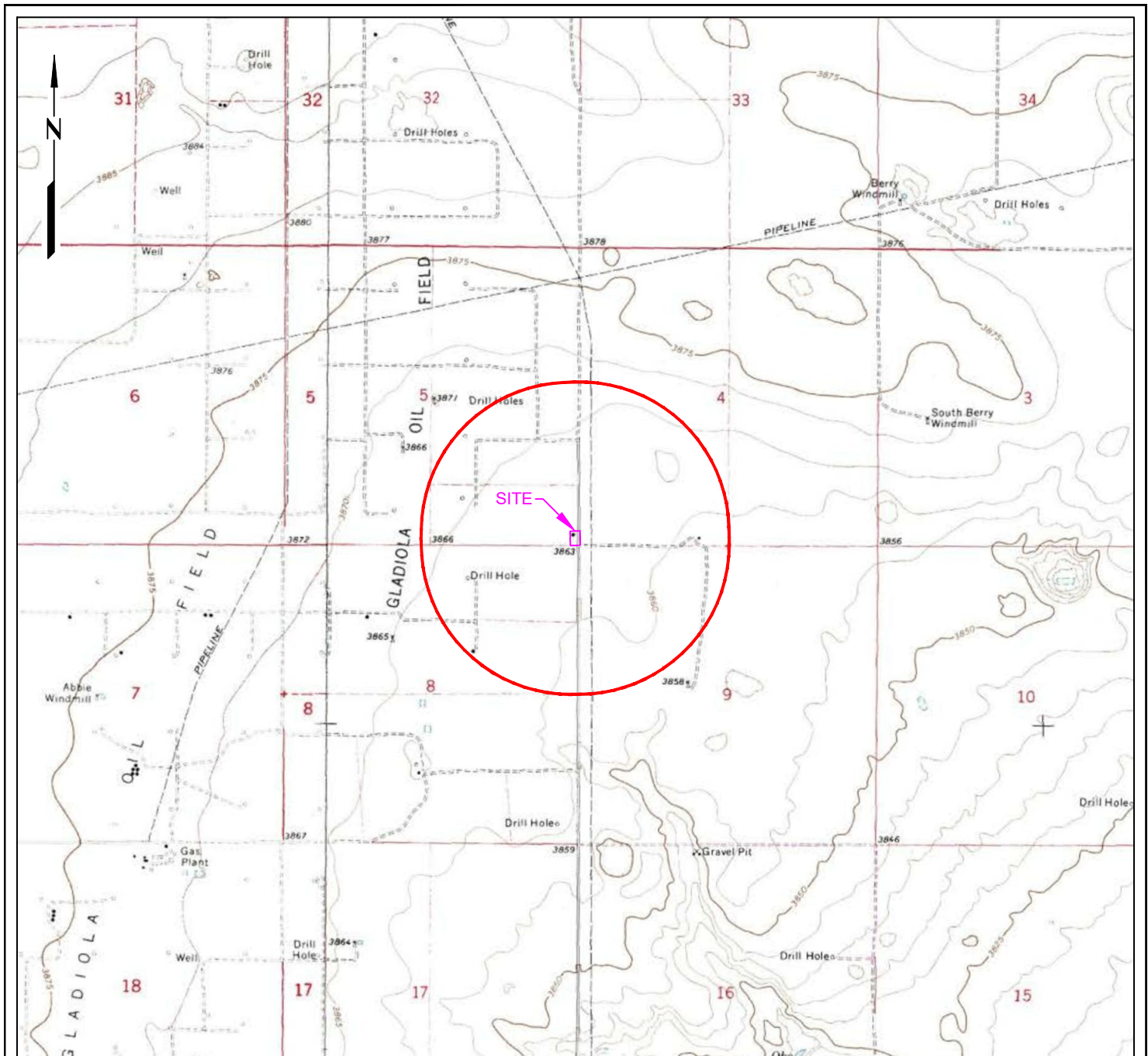
This document and the work performed have been undertaken in good faith, with due diligence and with the expertise, experience, capability, and specialized knowledge necessary to perform the work in a good and workmanlike manner and within all accepted standards pertaining to providers of environmental 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

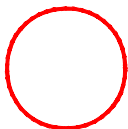
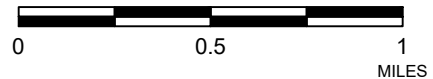
- AECOM. March 3, 2014a. *Technical Memorandum – Review of Forensic Laboratory Reports*.
- AECOM. December 2014b. *2014 Annual Groundwater Monitoring Report, Gladiola Station, Sec 5, T-12-S, R-38-E, Tatum, Lea County, New Mexico*.
- B & H Environmental Services (B&H). 2003. *Soil Coring Investigation Report, Gladiola Station, Lea County, New Mexico*.
- BNC Environmental Services, Inc. (BNC). August 20, 2004. *Soil and Groundwater Assessment Report, Gladiola Station, Section 5, T-12-S, R-38-E, Lea County, New Mexico*.
- Cardno. February 8, 2016a. *2015 Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. April 3, 2016b. *First and Second Quarter 2016 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. January 31, 2017a. *Third and Fourth Quarter 2016 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. September 6, 2017b. *First and Second Quarter 2017 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. March 29, 2018a. *Third and Fourth Quarter 2017 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. November 8, 2018b. *Report for the Installation of Six Off-Site Groundwater Monitoring Wells, Gladiola Station, Lea County, New Mexico*.
- Cardno. June 7, 2019a. *Fourth Quarter 2018 and First Quarter 2019 Semi-Annual Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. December 6, 2019b. *Second Quarter 2019 through Fourth Quarter 2019 Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- Cardno. June 29, 2020. *First and Second Quarter 2020 Groundwater Monitoring Report, Gladiola Station, Lea County, New Mexico*.
- ExxonMobil Pipeline Company (ExxonMobil). November 18, 2002. *Leak, Maintenance, and Exposed Pipe Report for Gladiola Station, Lea County, New Mexico*.
- Kleinfelder West, Inc. (Kleinfelder). August 18, 2008. *Stage 1 Site Abatement Report, Gladiola Station, Lea County, New Mexico*.
- New Mexico Oil Conservation Division (NMOCD). August 13, 1993. *Guidelines for Remediation of Spills, Leaks, and Releases*.
- 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 2H2O Groundwater Monitoring Event for ExxonMobil Gladiola Station OCD No. AP038."

13 Acronym List

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



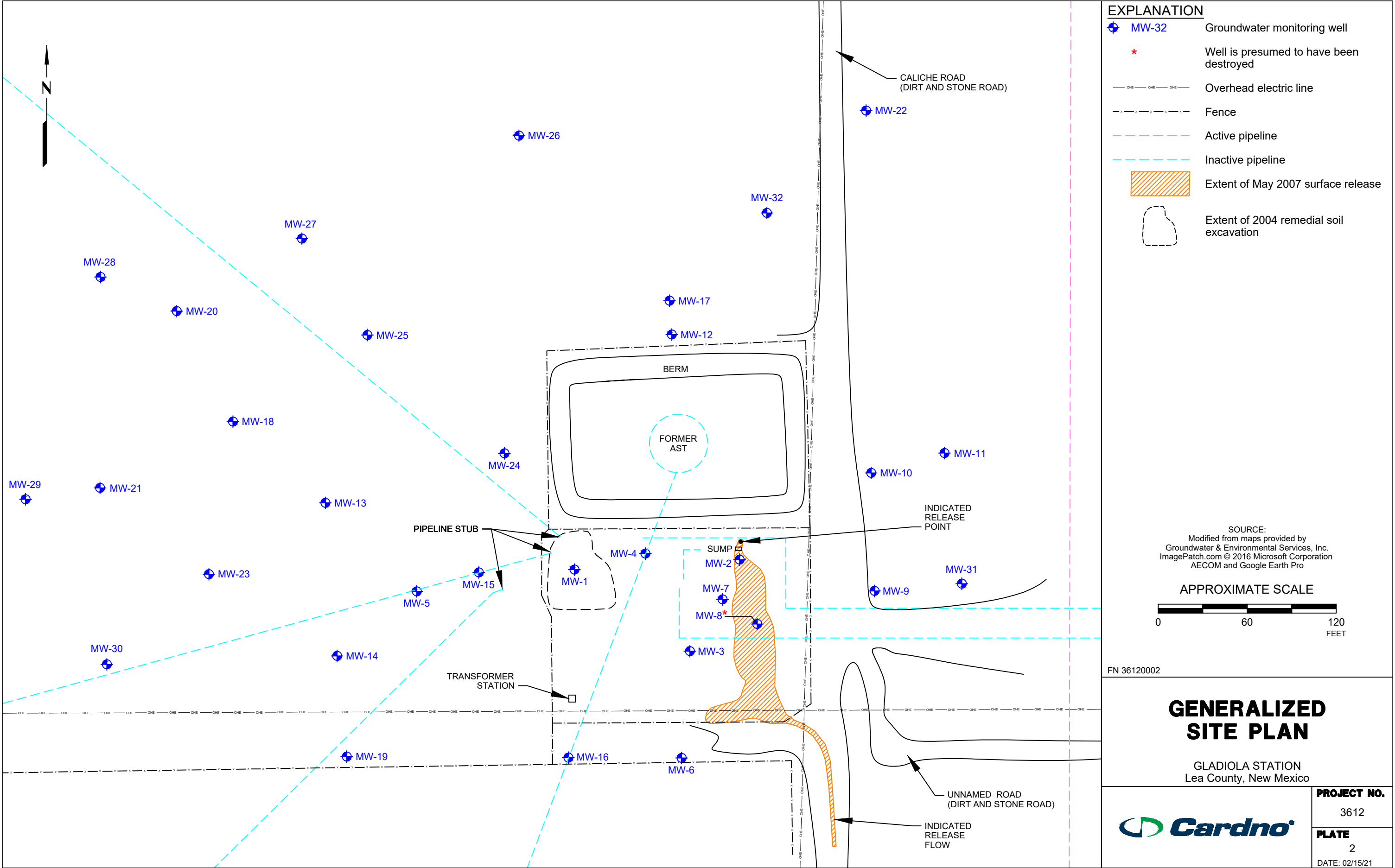
FN 3612.TPO02

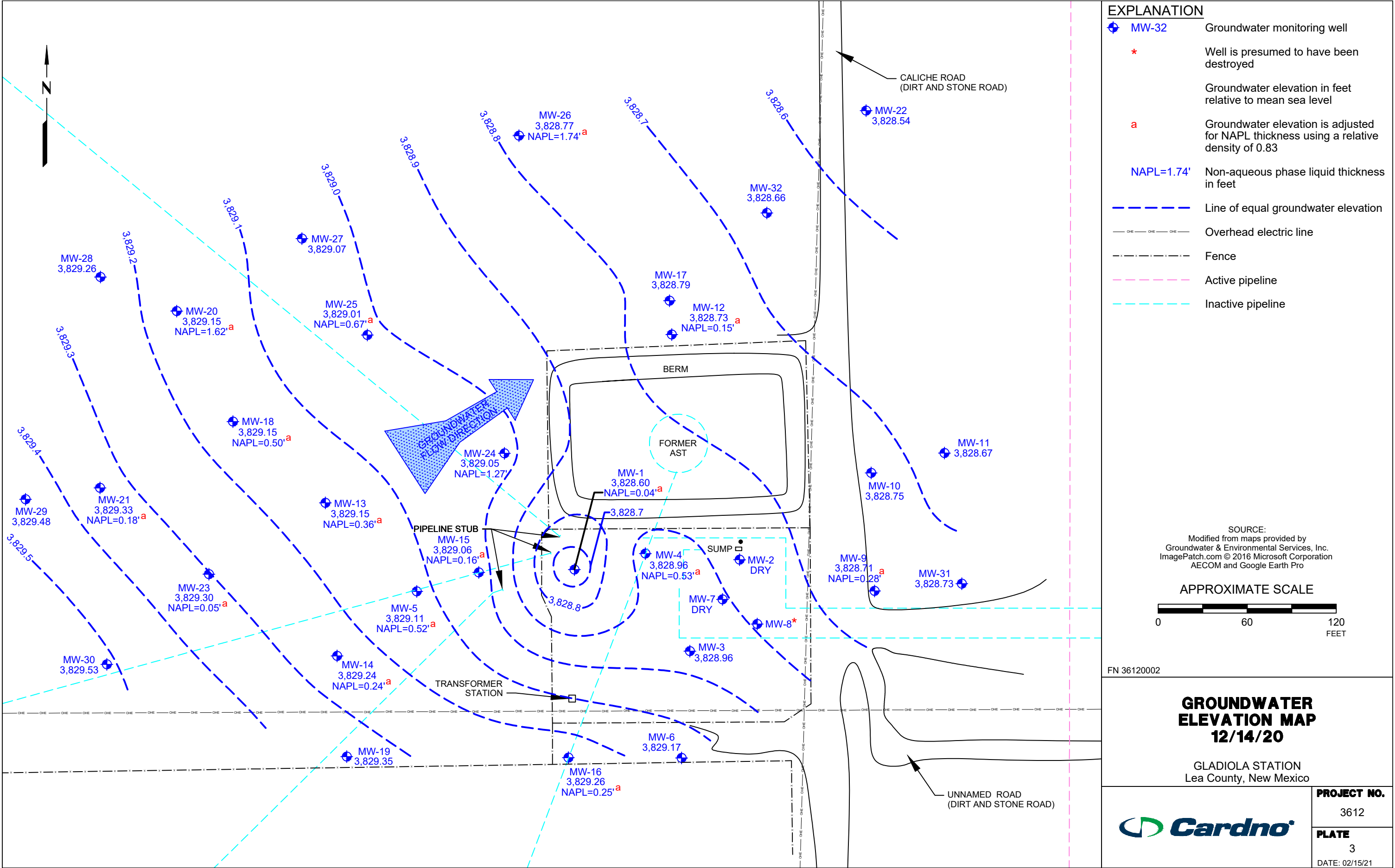
EXPLANATION1/2-mile distance from
property border**APPROXIMATE SCALE**SOURCE:
Modified from a map
provided by
MapPass**SITE LOCATION MAP**GLADIOLA STATION
Lea County, New Mexico**PROJECT NO.**

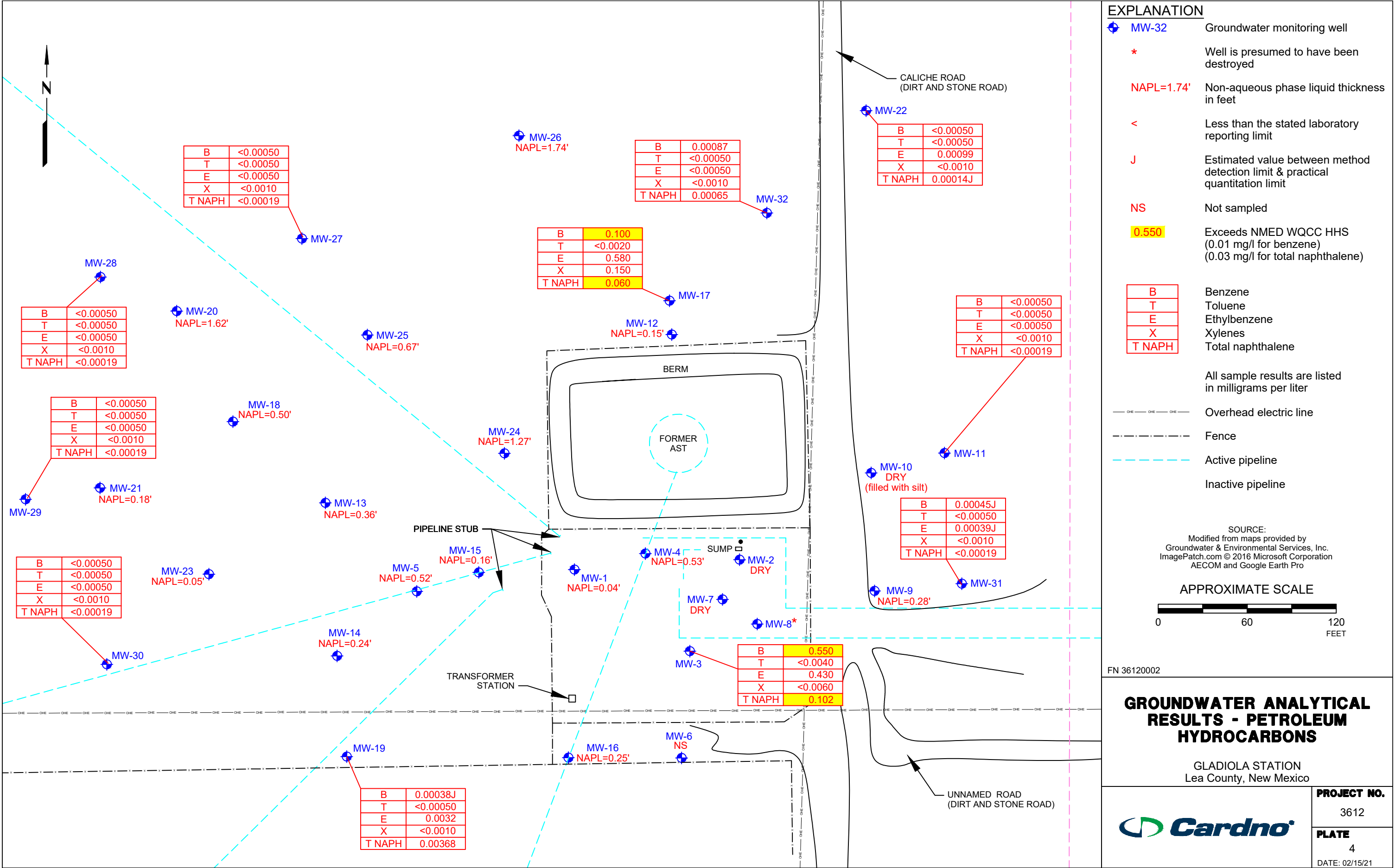
3612

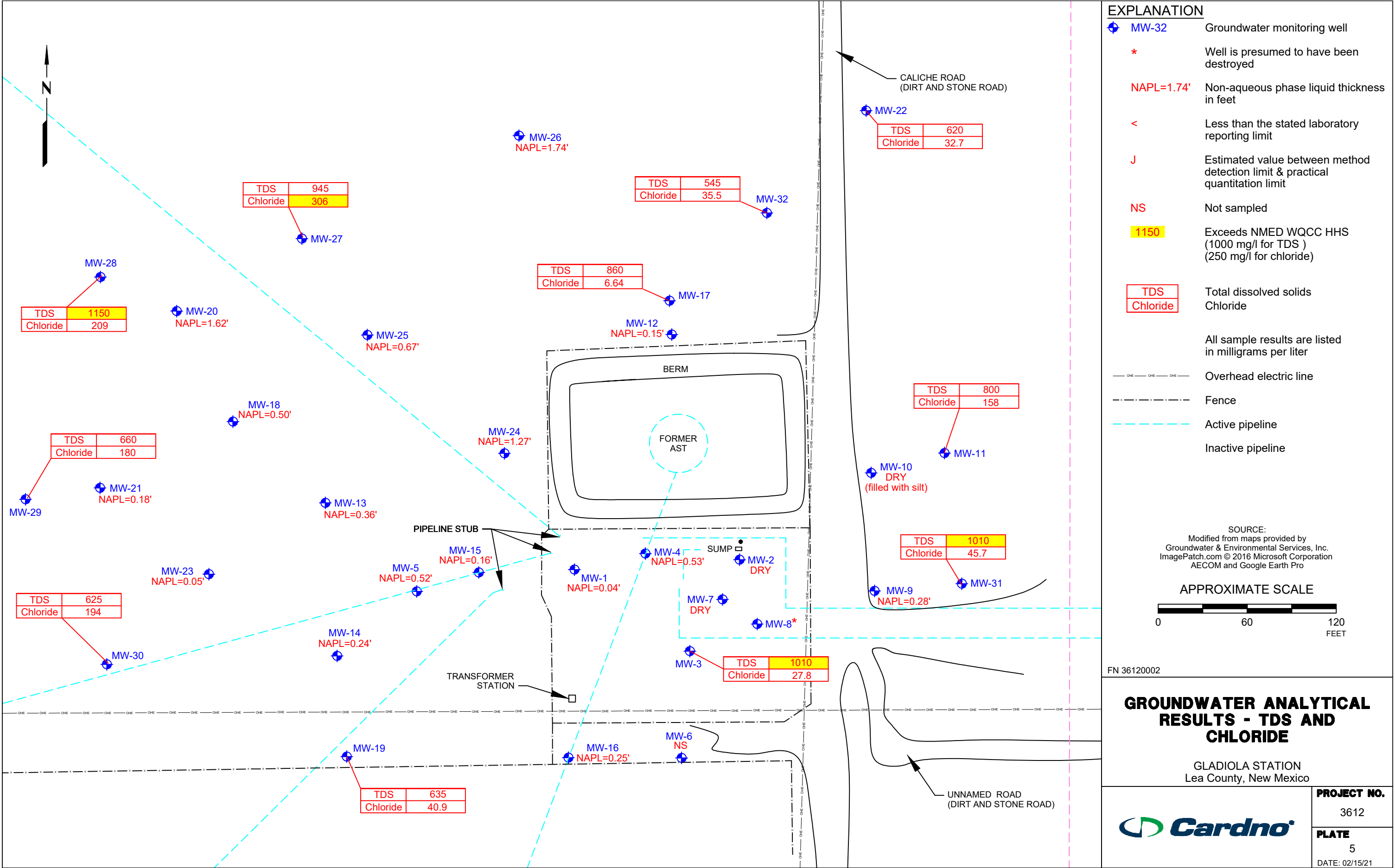
PLATE

1

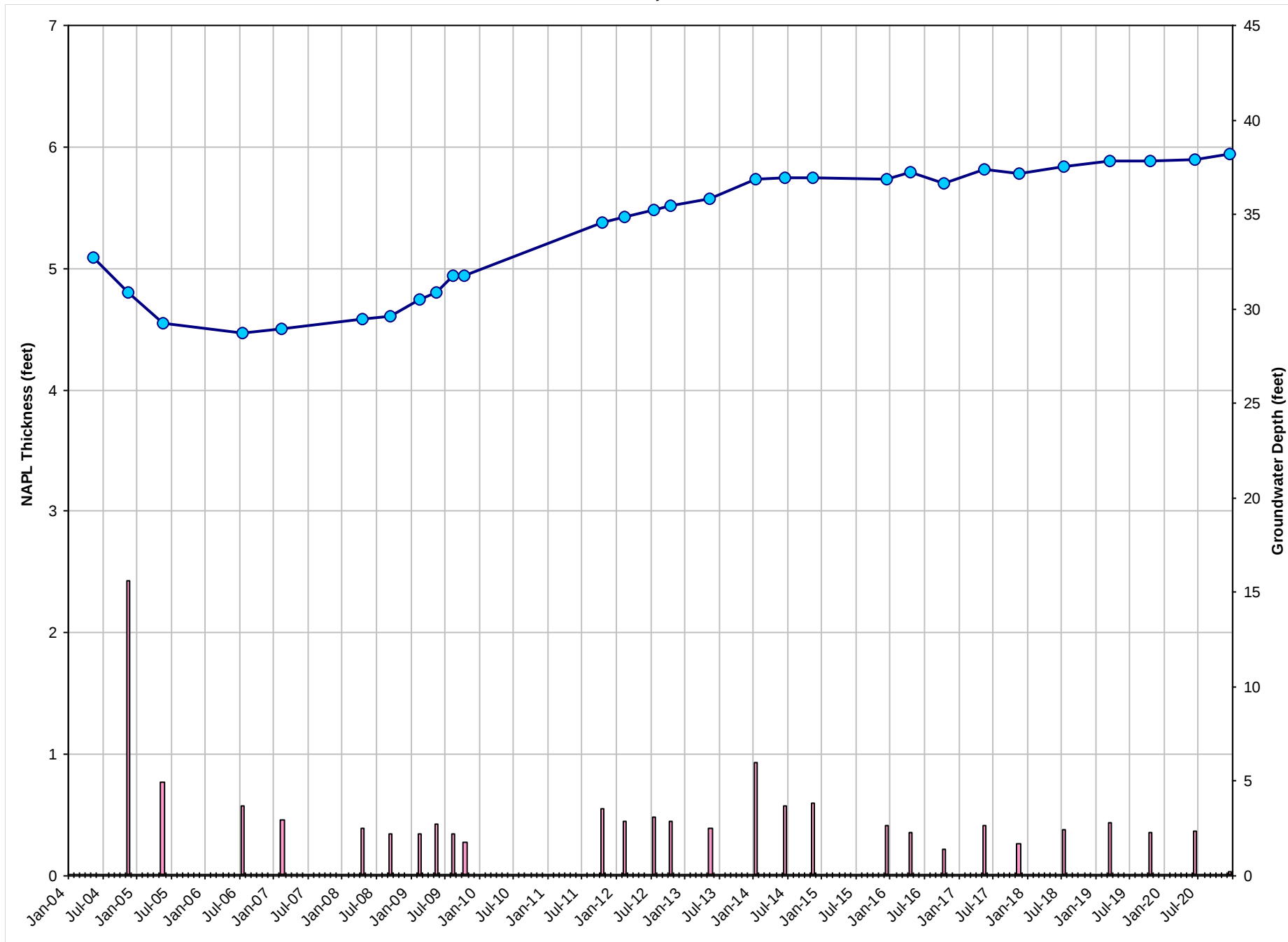




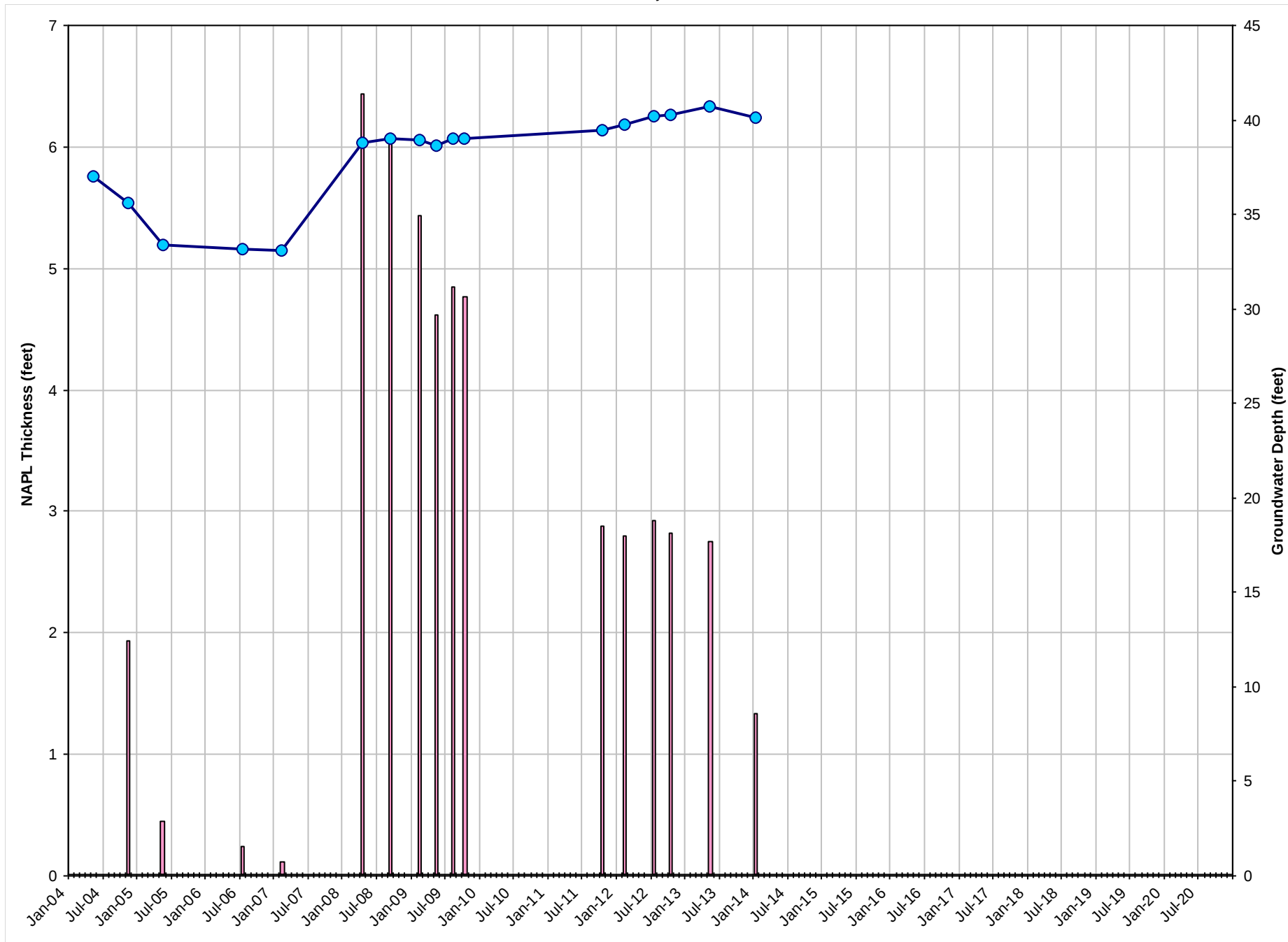




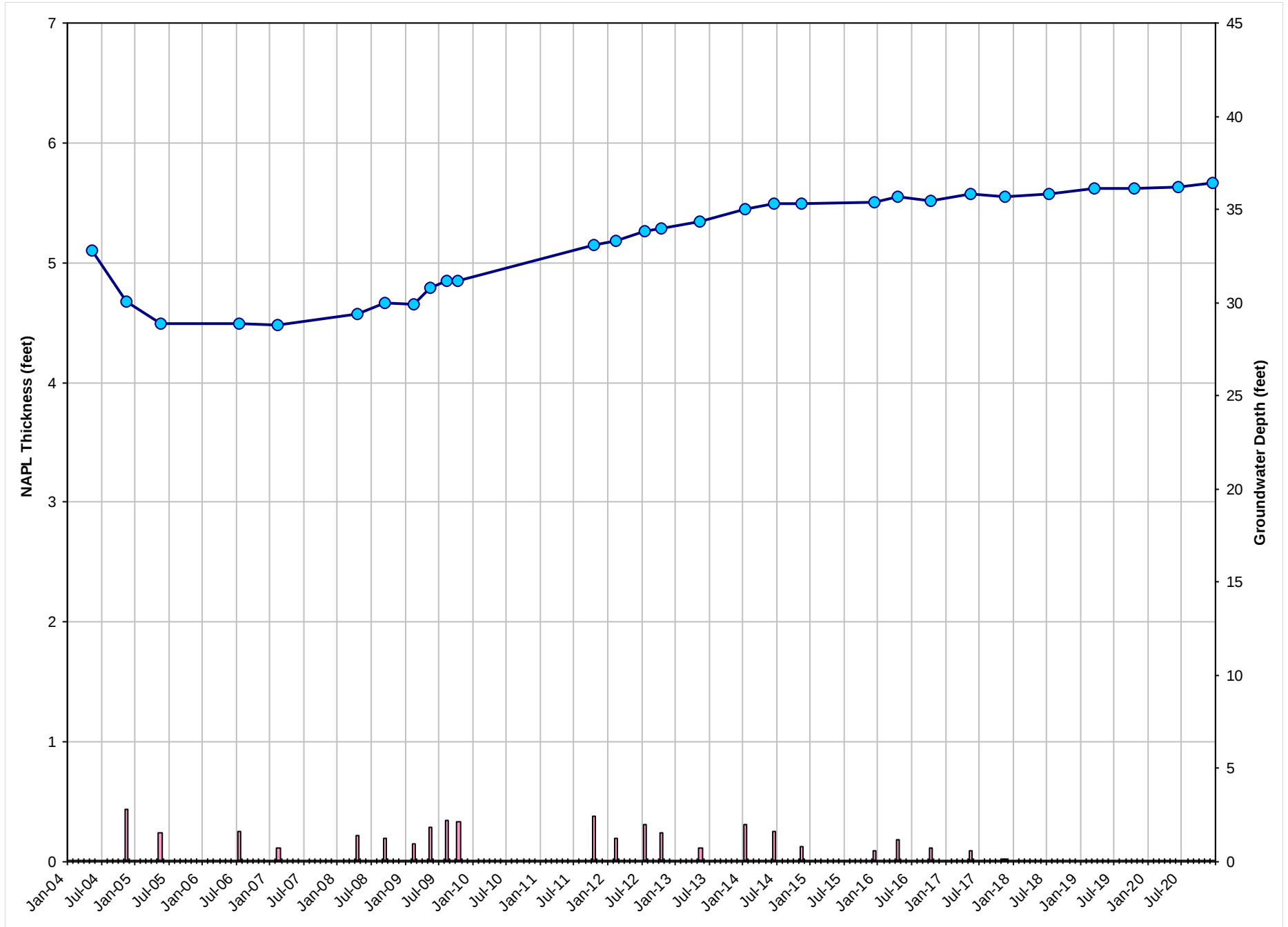
GRAPH 1
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-1
Gladiola Station
Lea County, New Mexico



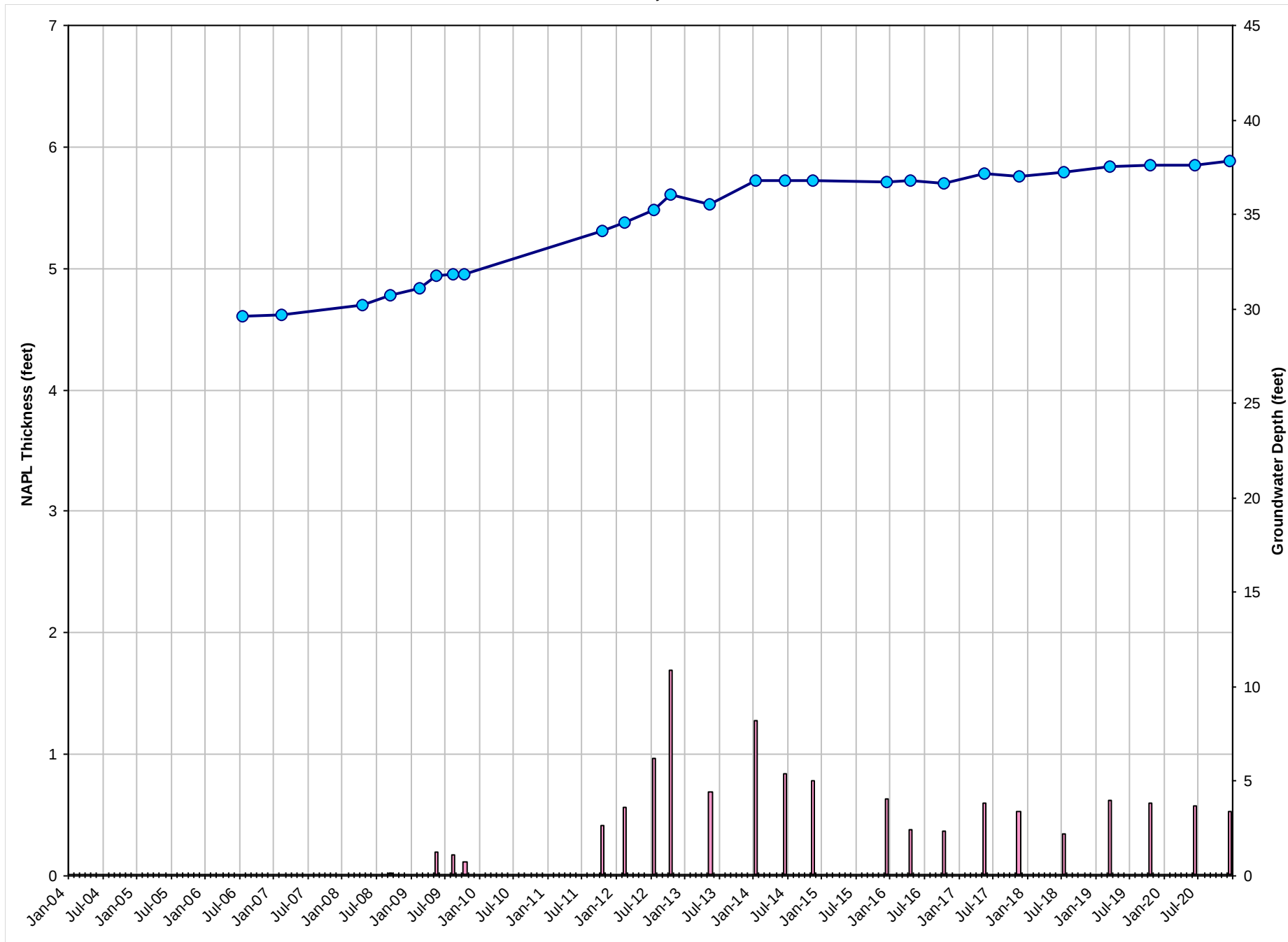
GRAPH 2
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-2
Gladiola Station
Lea County, New Mexico



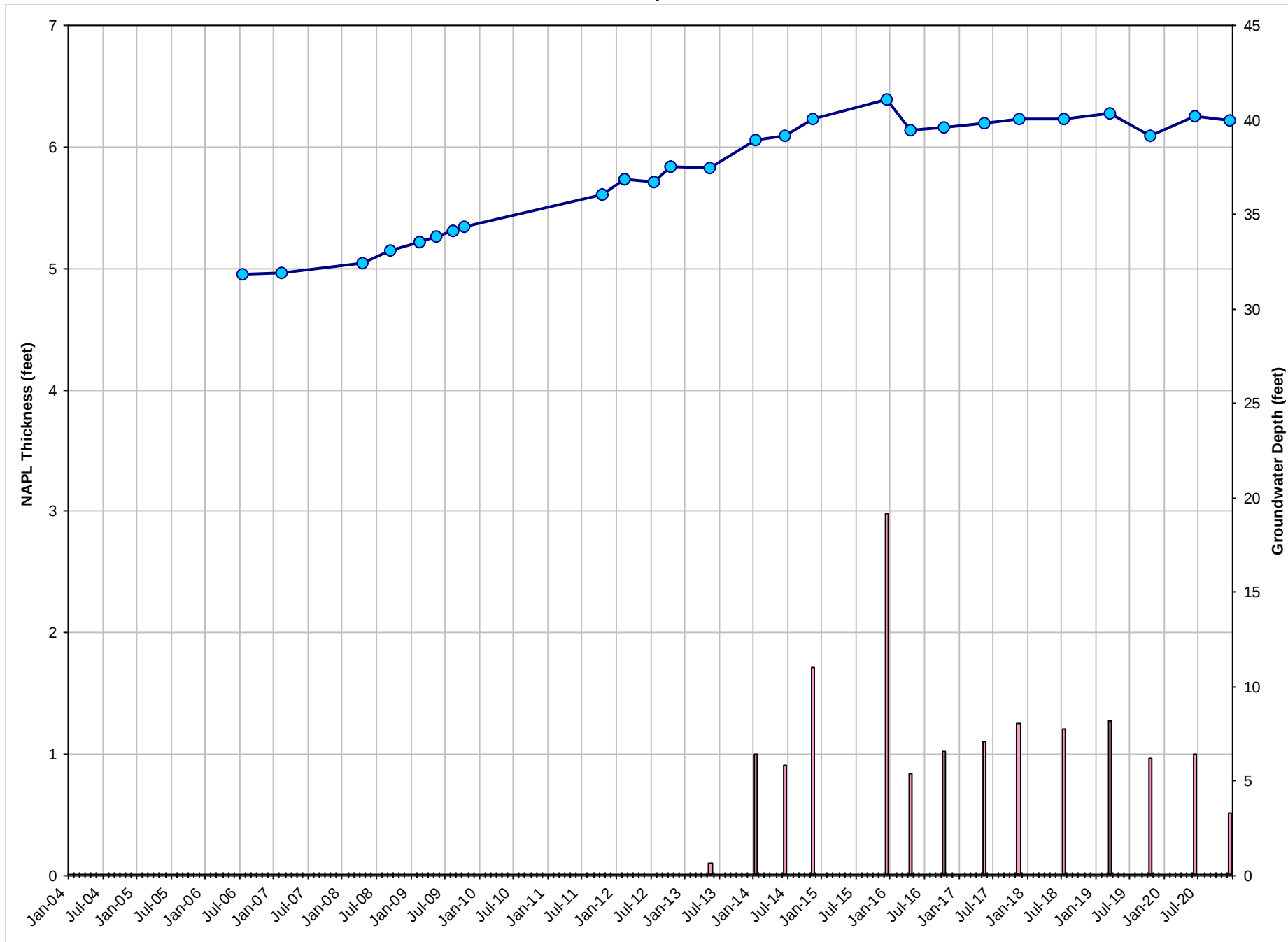
GRAPH 3
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-3
Gladiola Station
Lea County, New Mexico



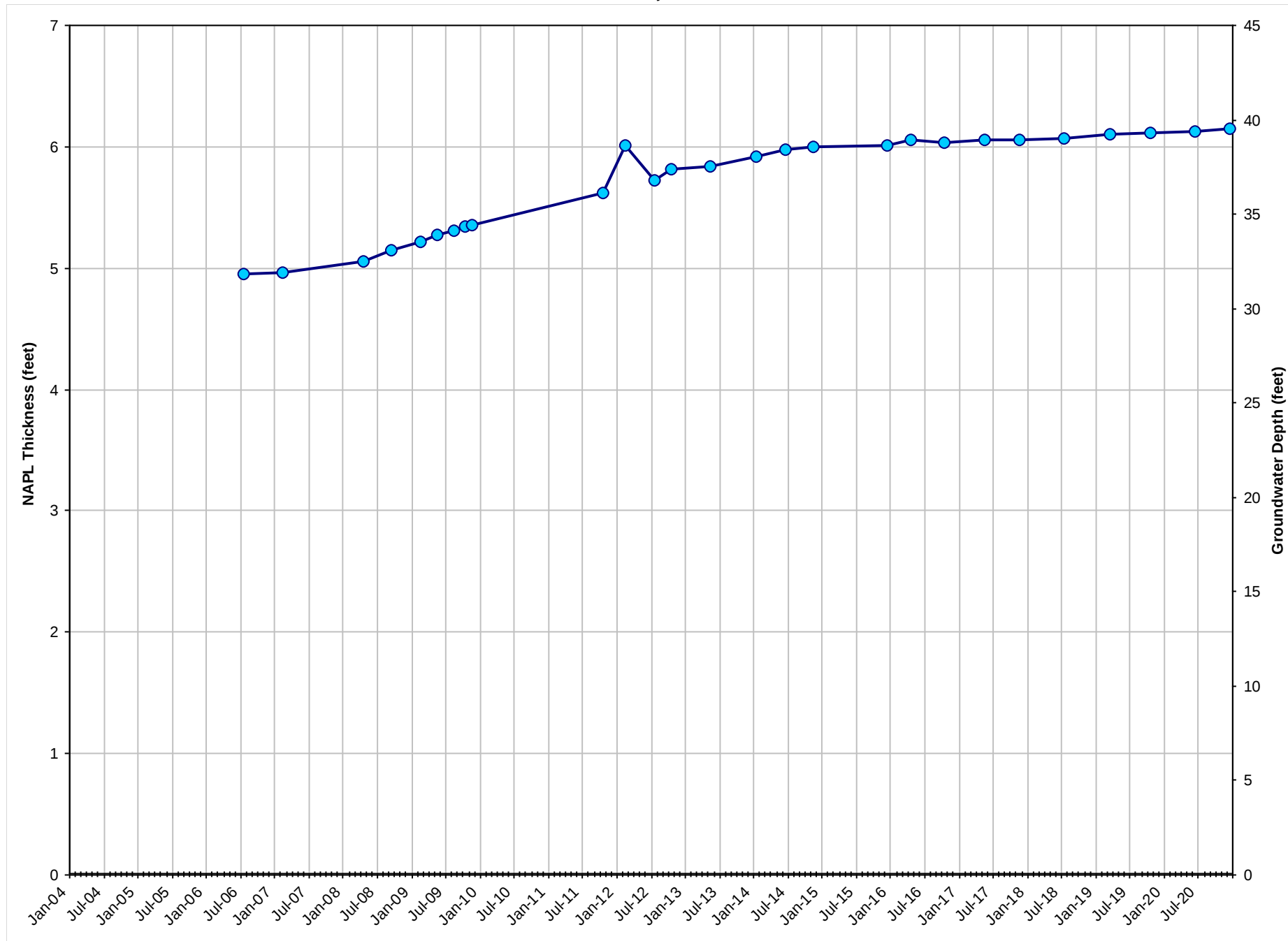
GRAPH 4
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-4
Gladiola Station
Lea County, New Mexico



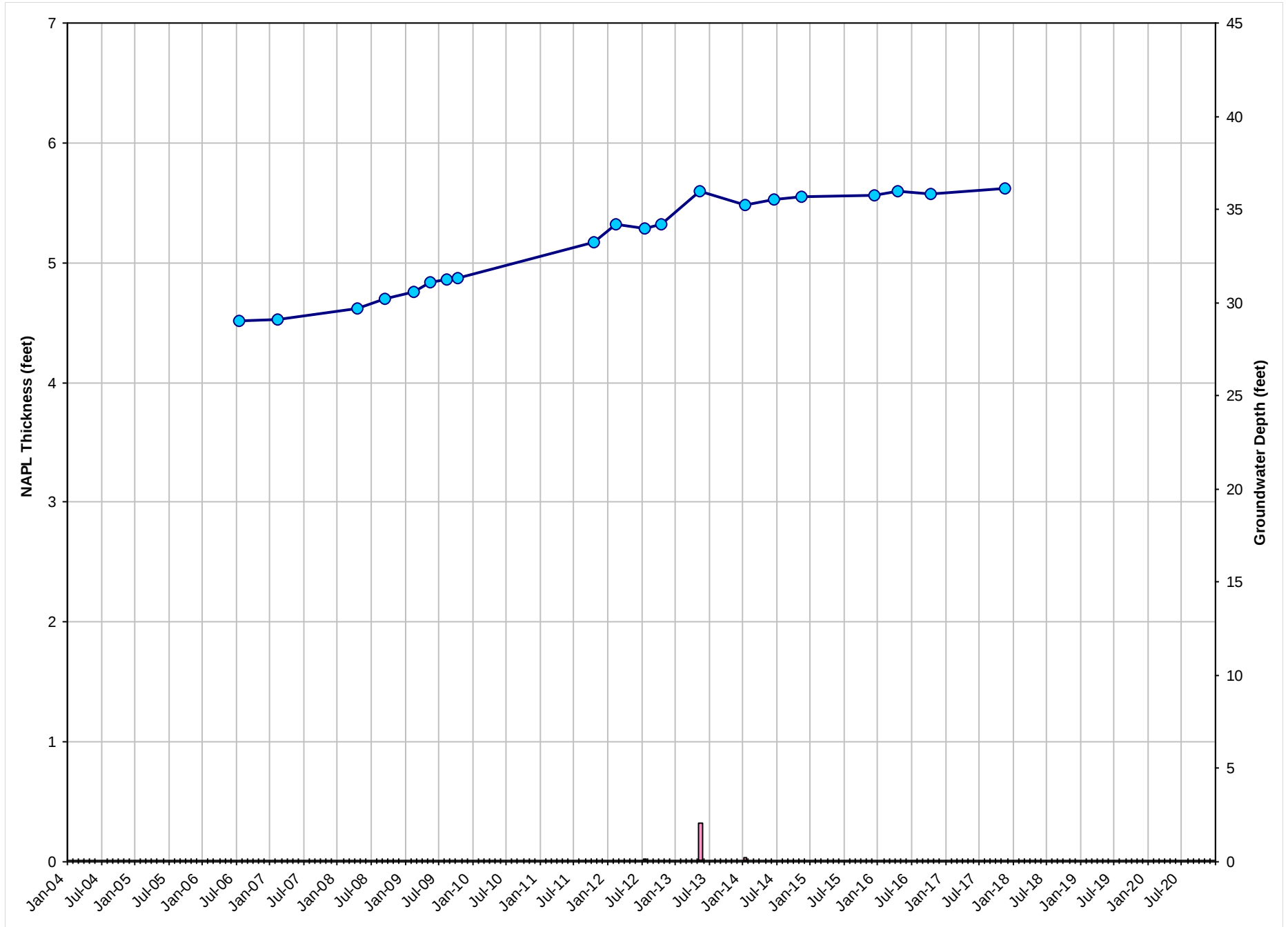
GRAPH 5
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-5
Gladiola Station
Lea County, New Mexico



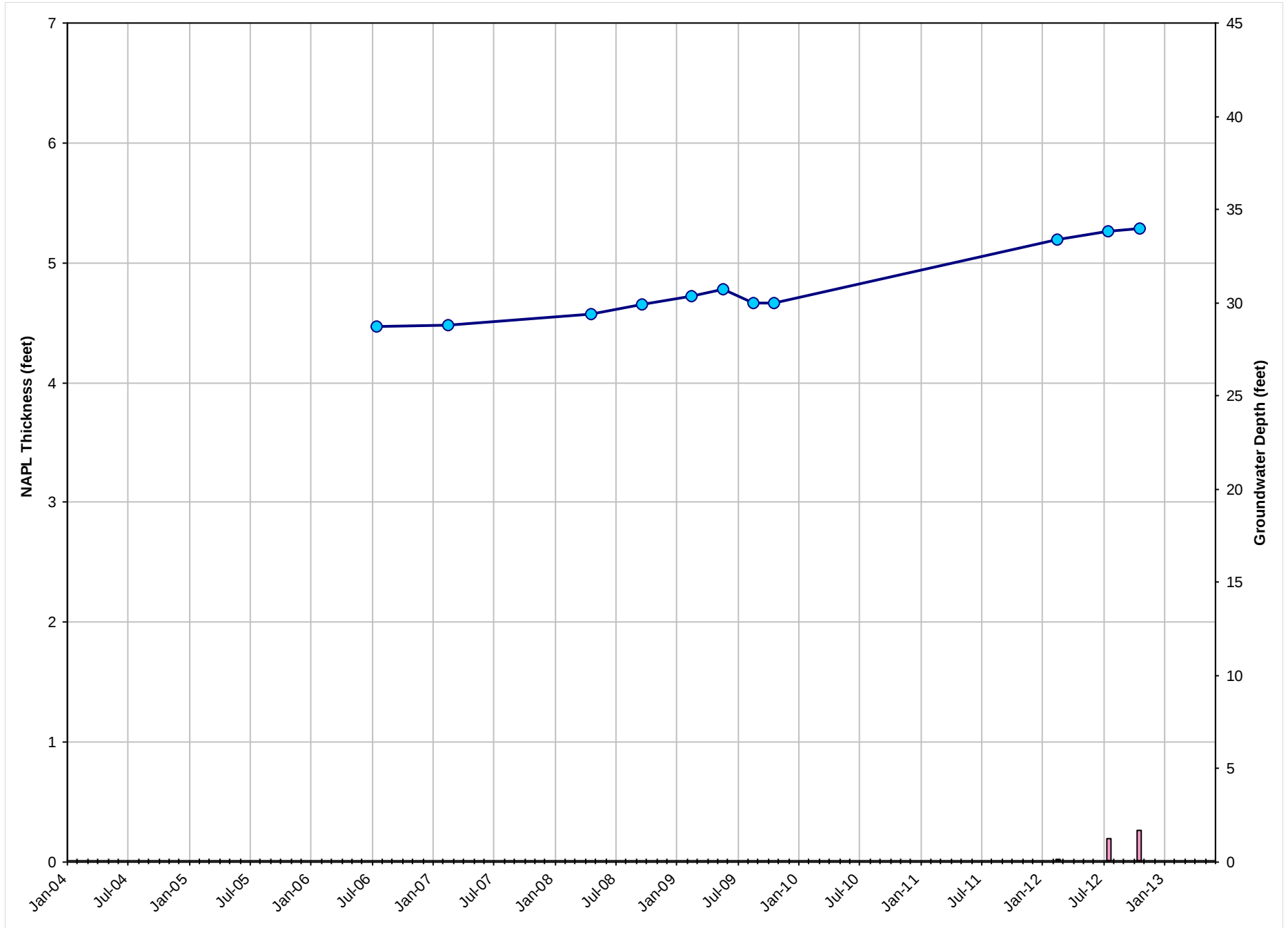
GRAPH 6
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-6
Gladiola Station
Lea County, New Mexico



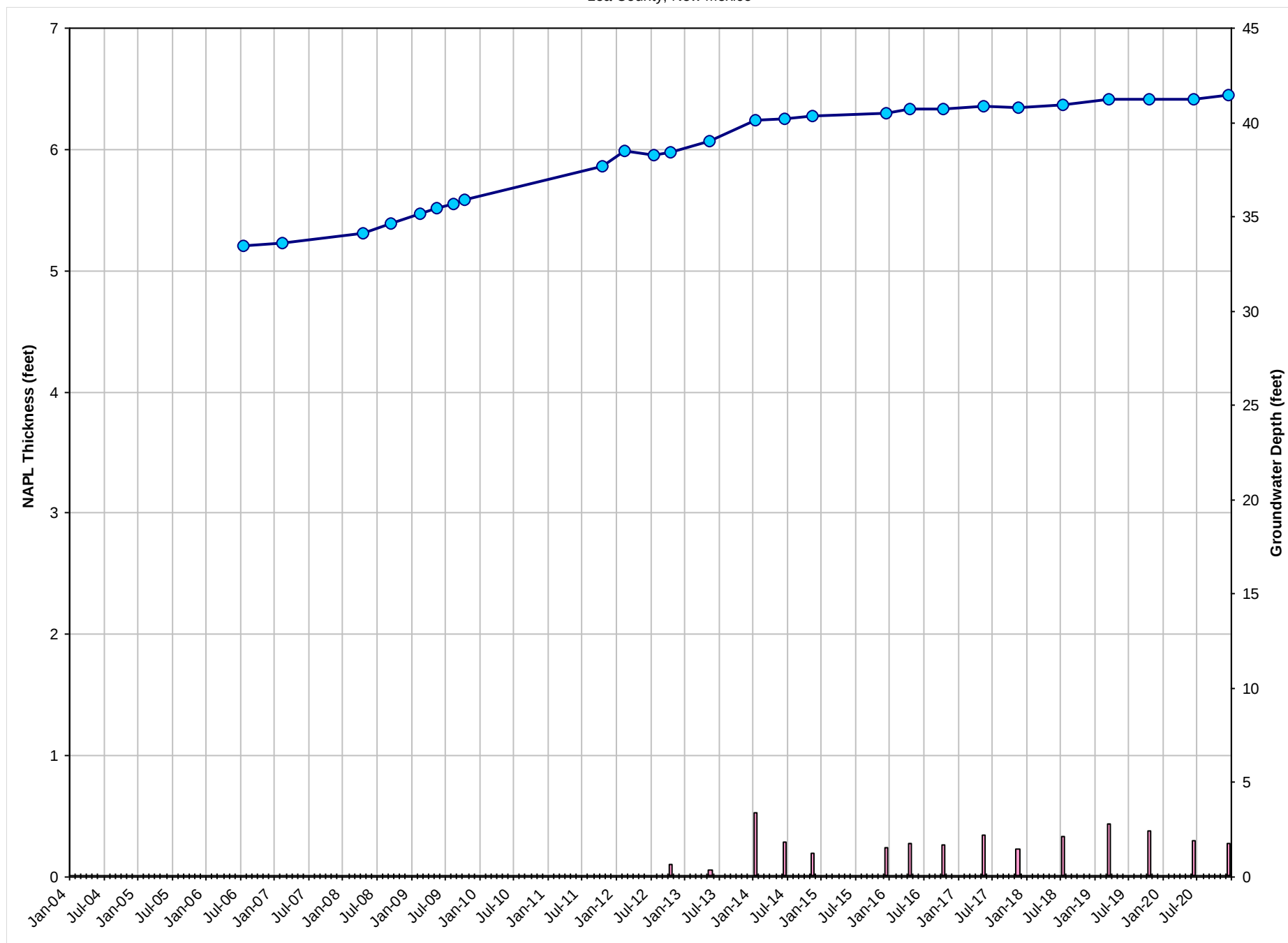
GRAPH 7
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-7
Gladiola Station
Lea County, New Mexico



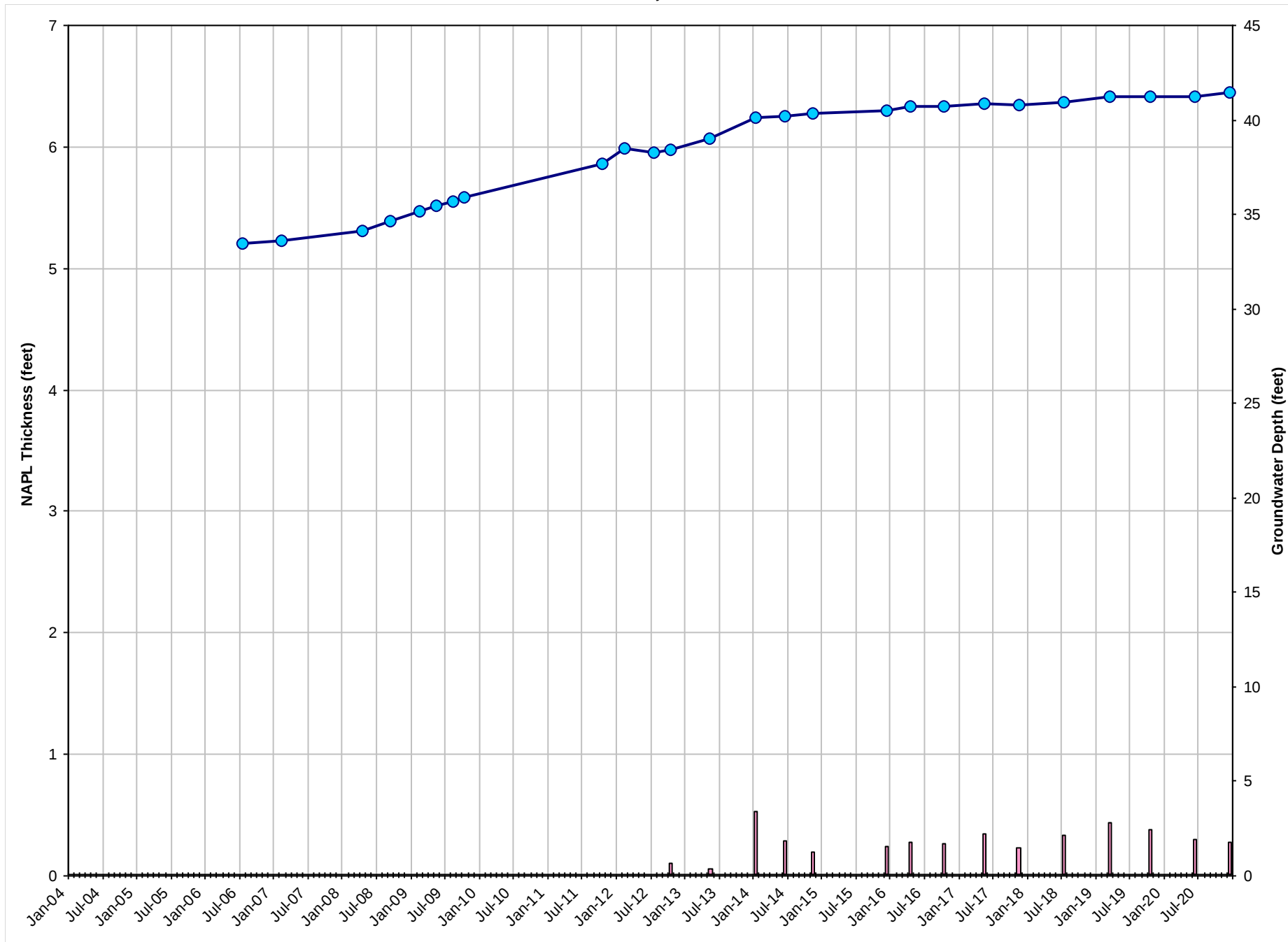
GRAPH 8
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-8
Gladiola Station
Lea County, New Mexico



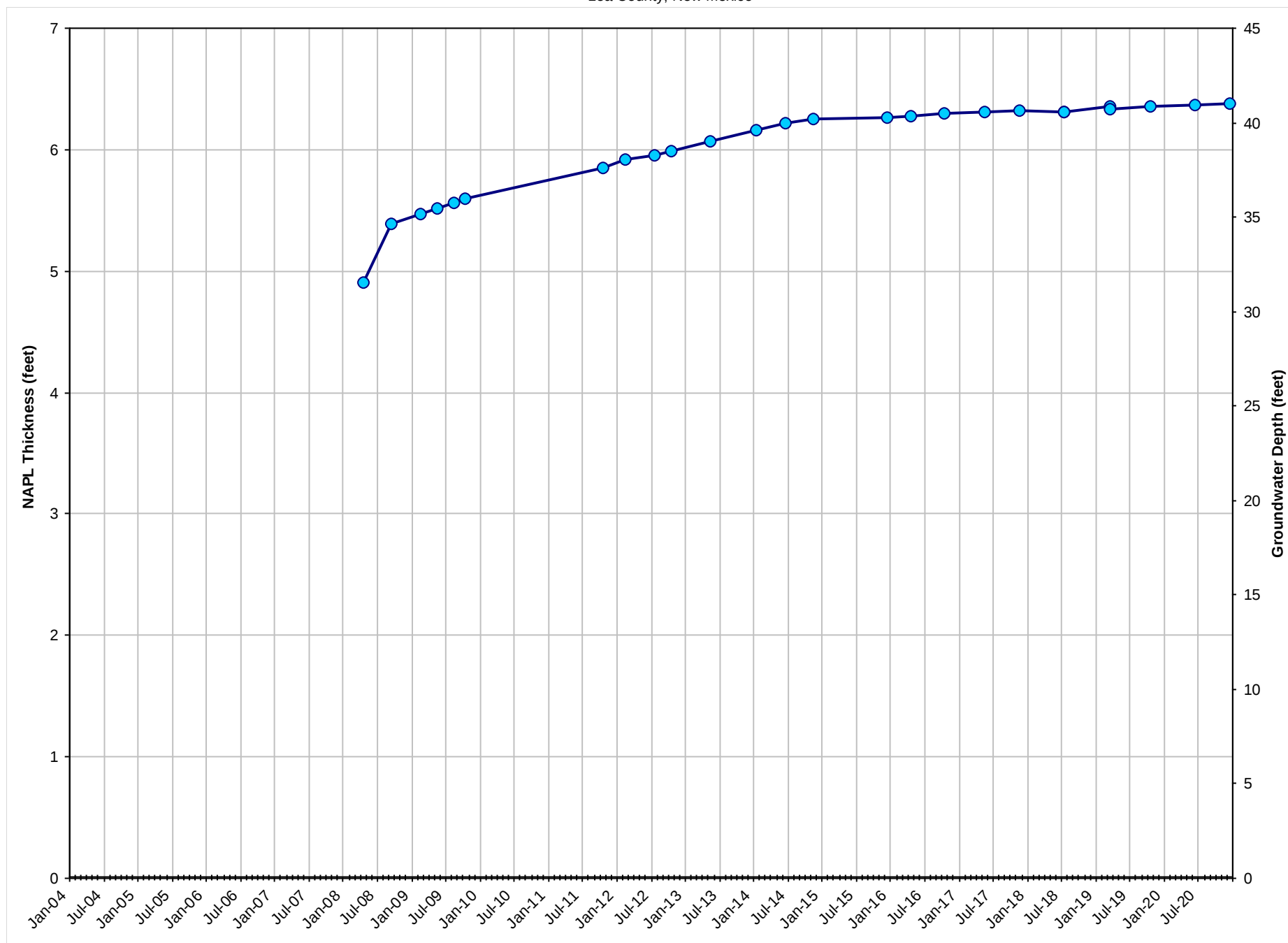
GRAPH 9
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-9
Gladiola Station
Lea County, New Mexico



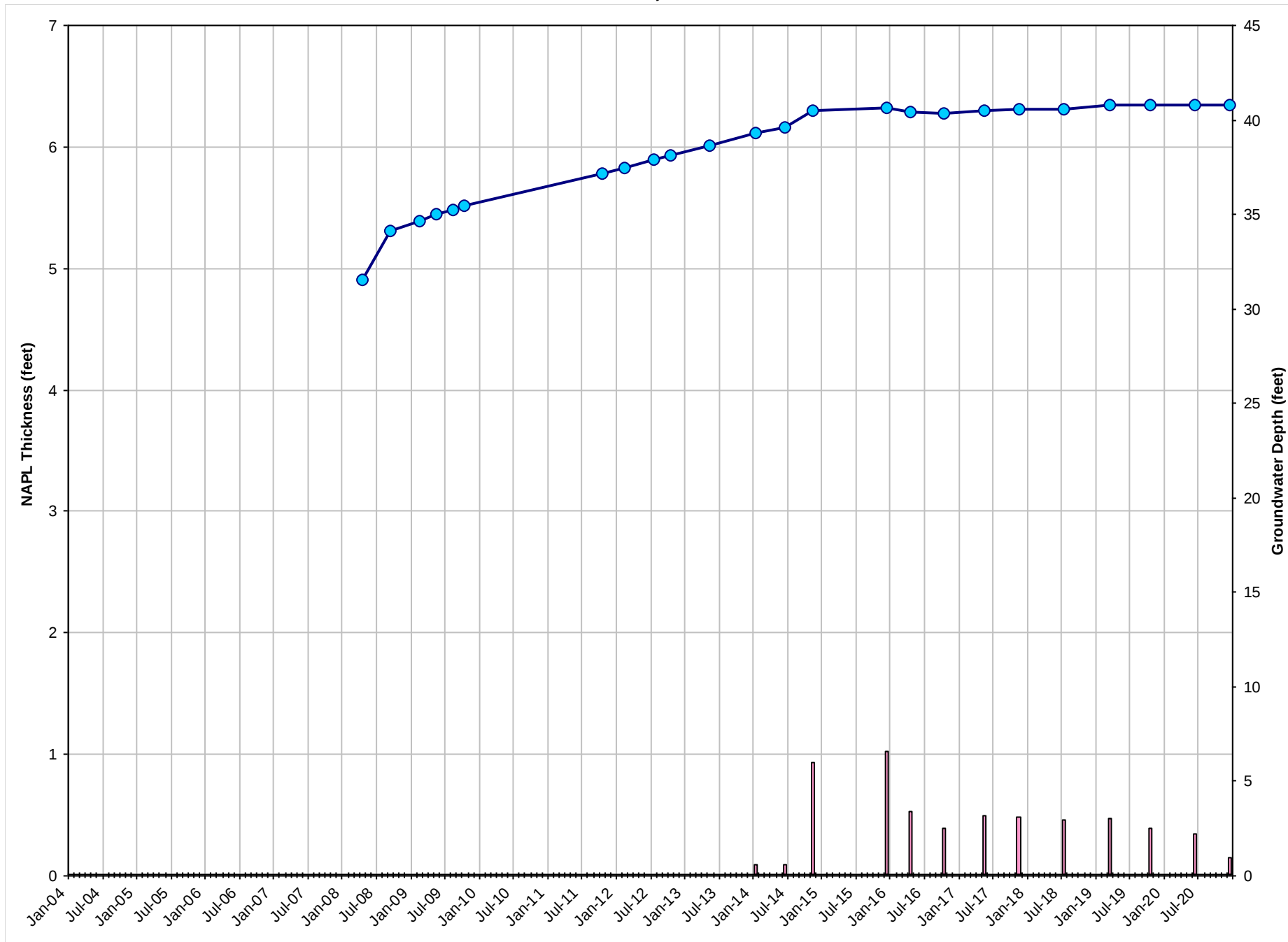
GRAPH 10
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-10
Gladiola Station
Lea County, New Mexico



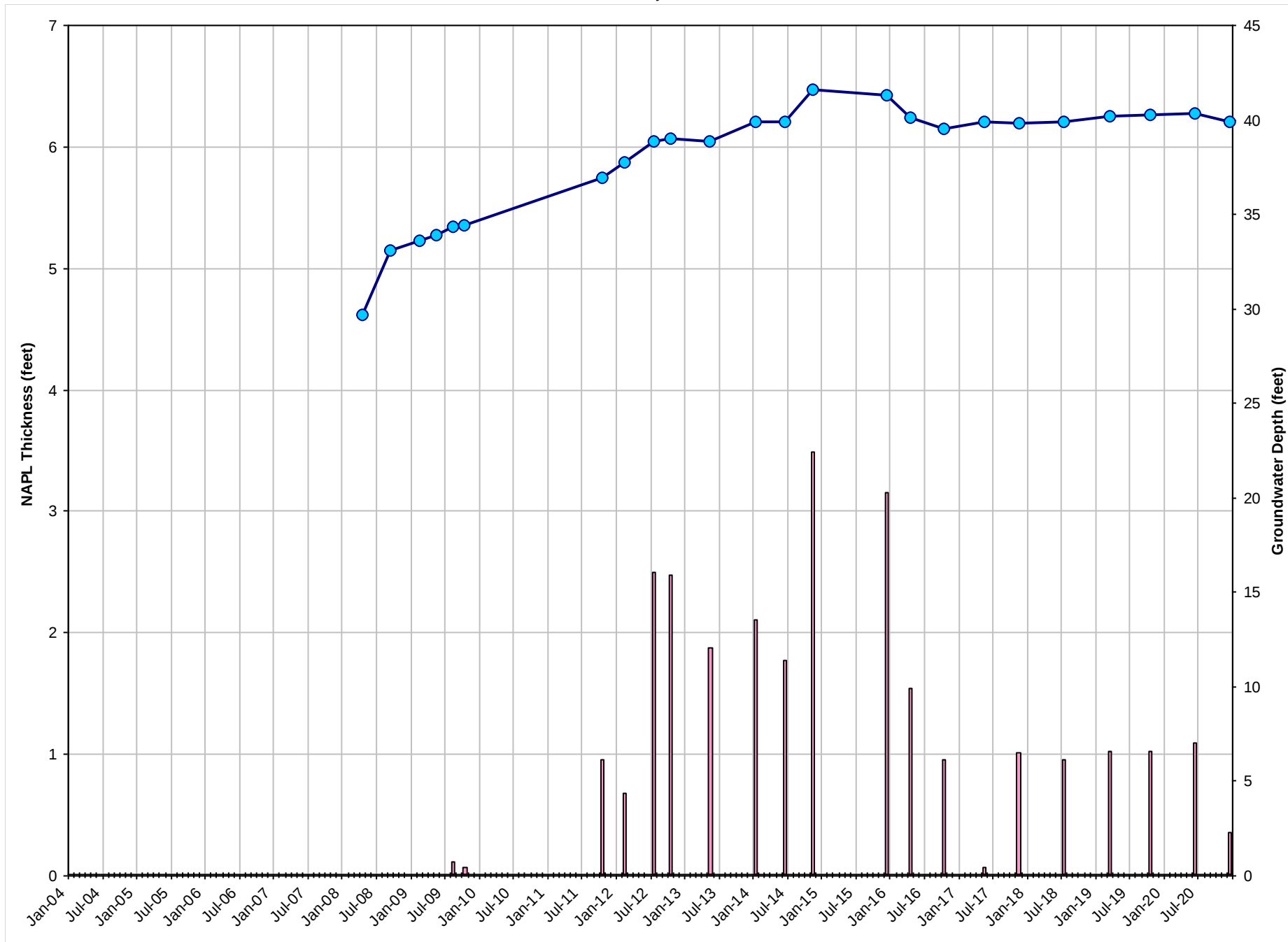
GRAPH 11
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-11
Gladiola Station
Lea County, New Mexico



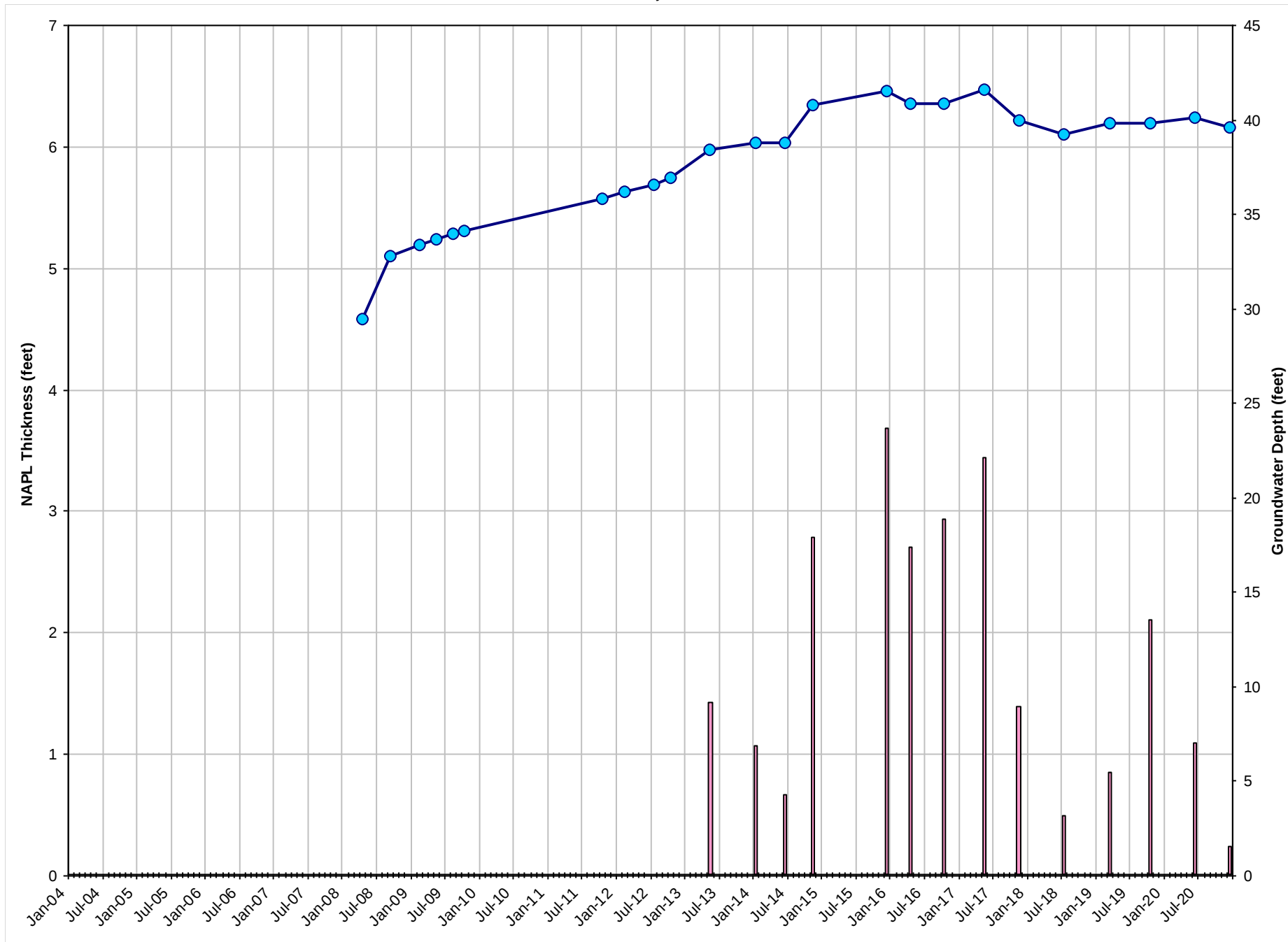
GRAPH 12
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-12
Gladiola Station
Lea County, New Mexico



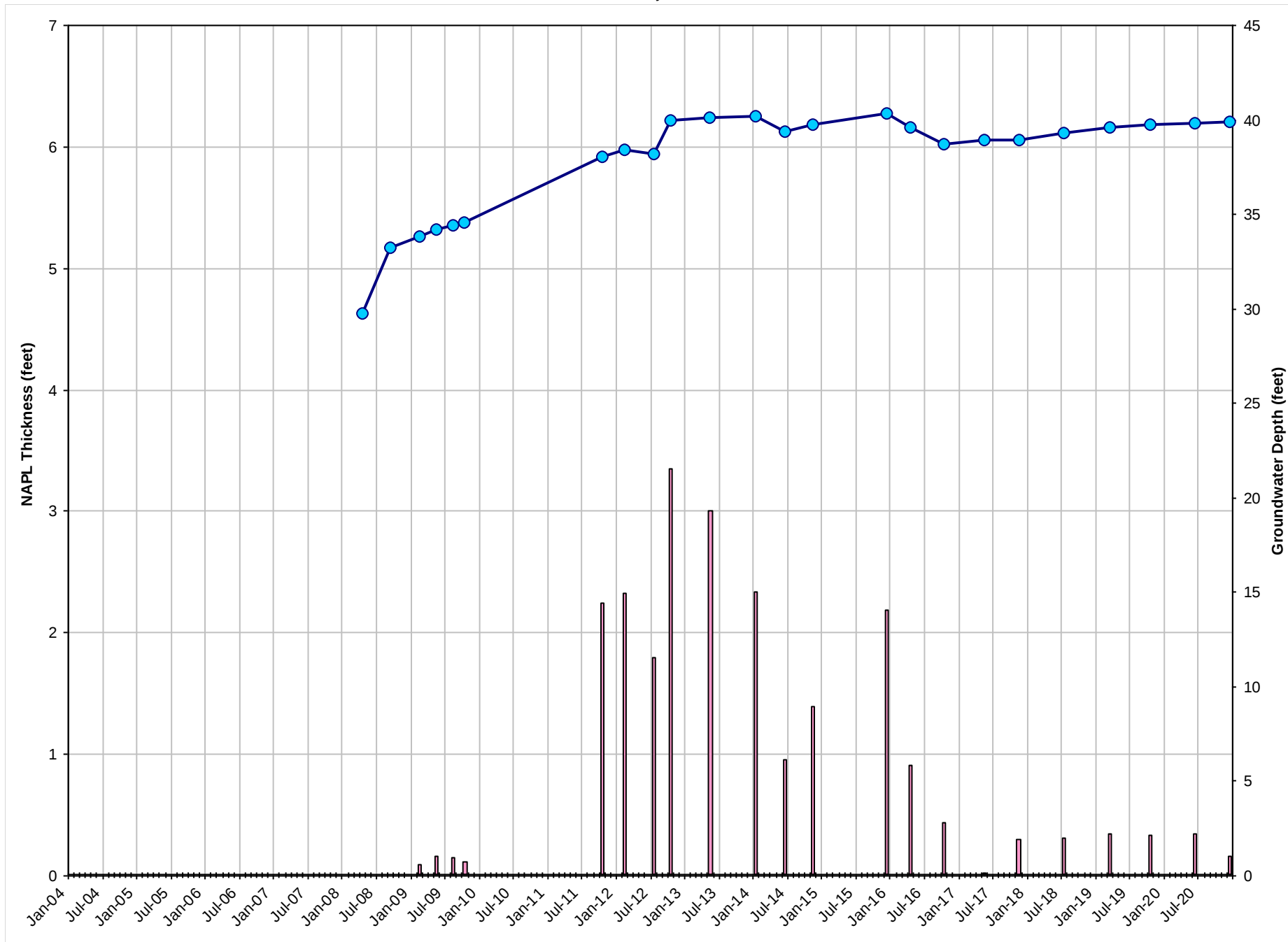
GRAPH 13
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-13
Gladiola Station
Lea County, New Mexico



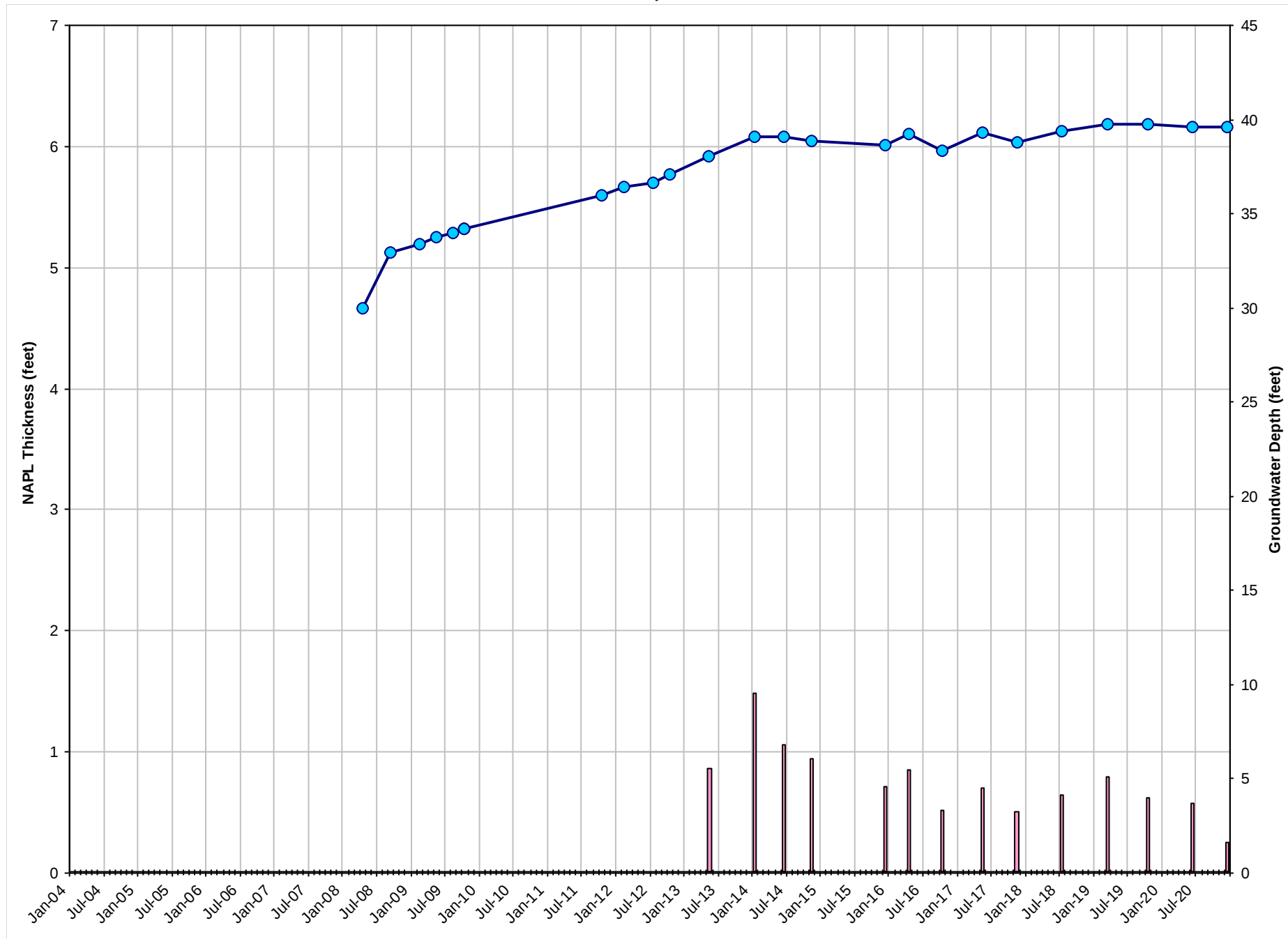
GRAPH 14
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-14
Gladiola Station
Lea County, New Mexico



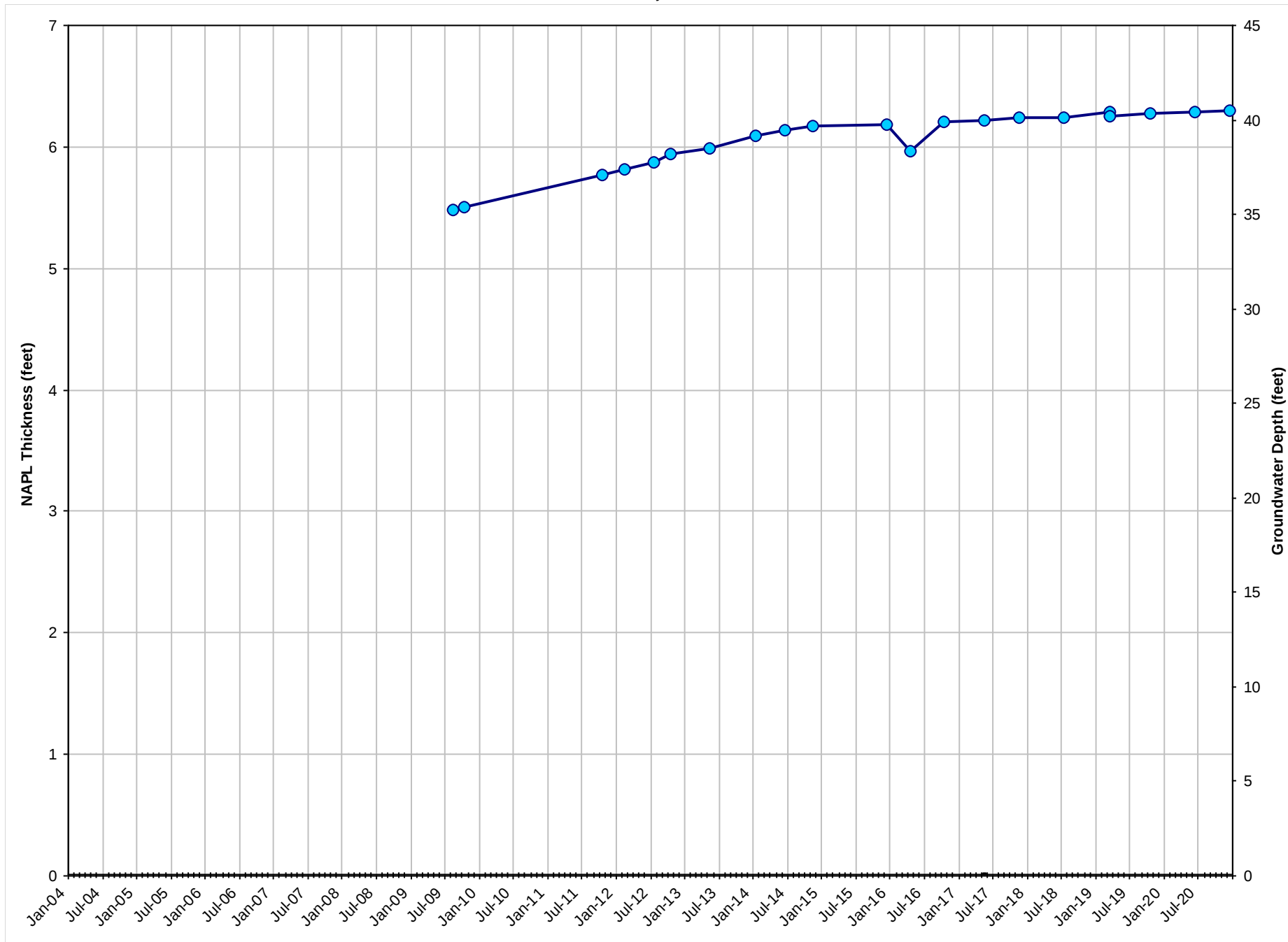
GRAPH 15
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-15
Gladiola Station
Lea County, New Mexico



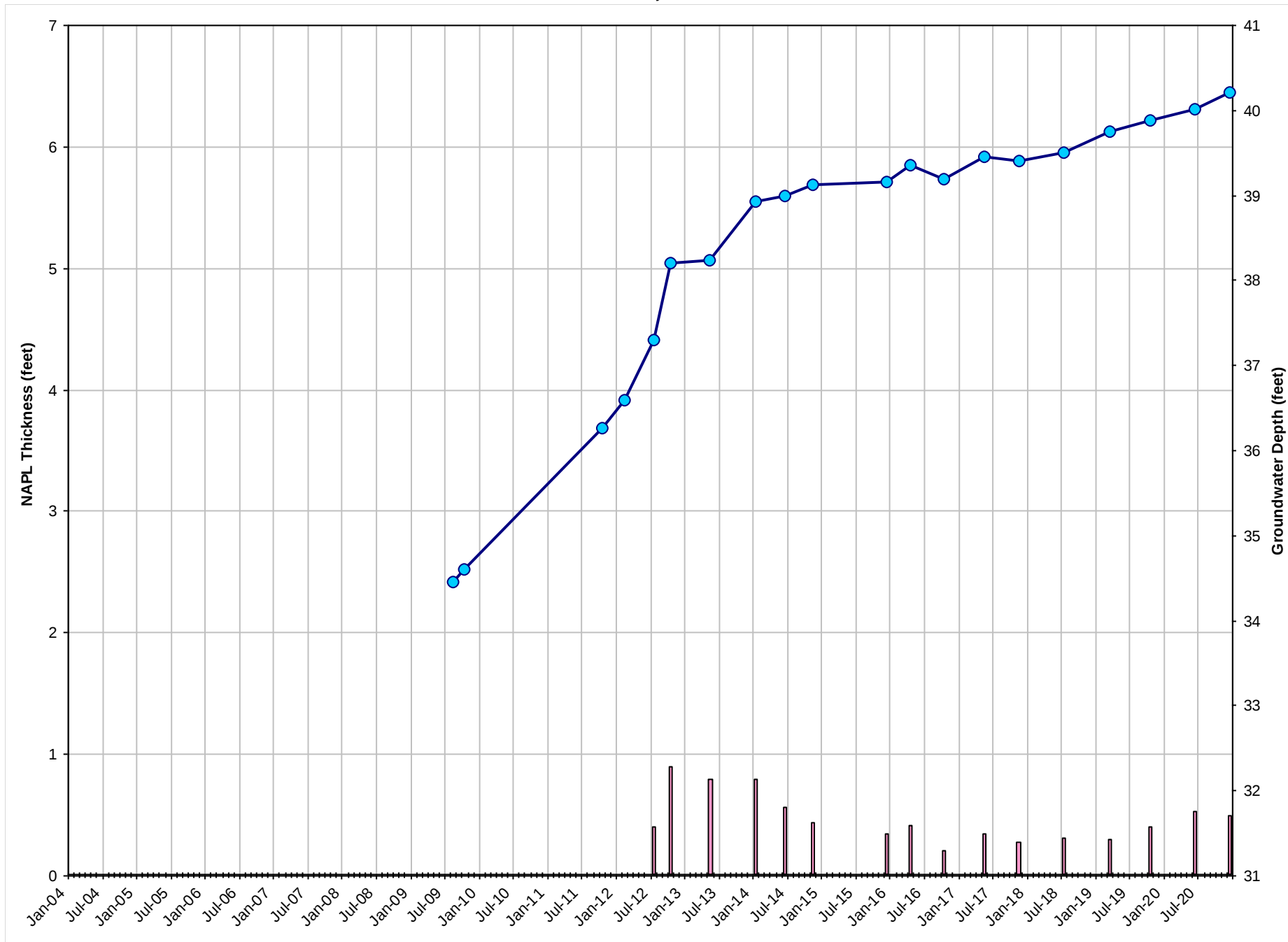
GRAPH 16
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-16
Gladiola Station
Lea County, New Mexico



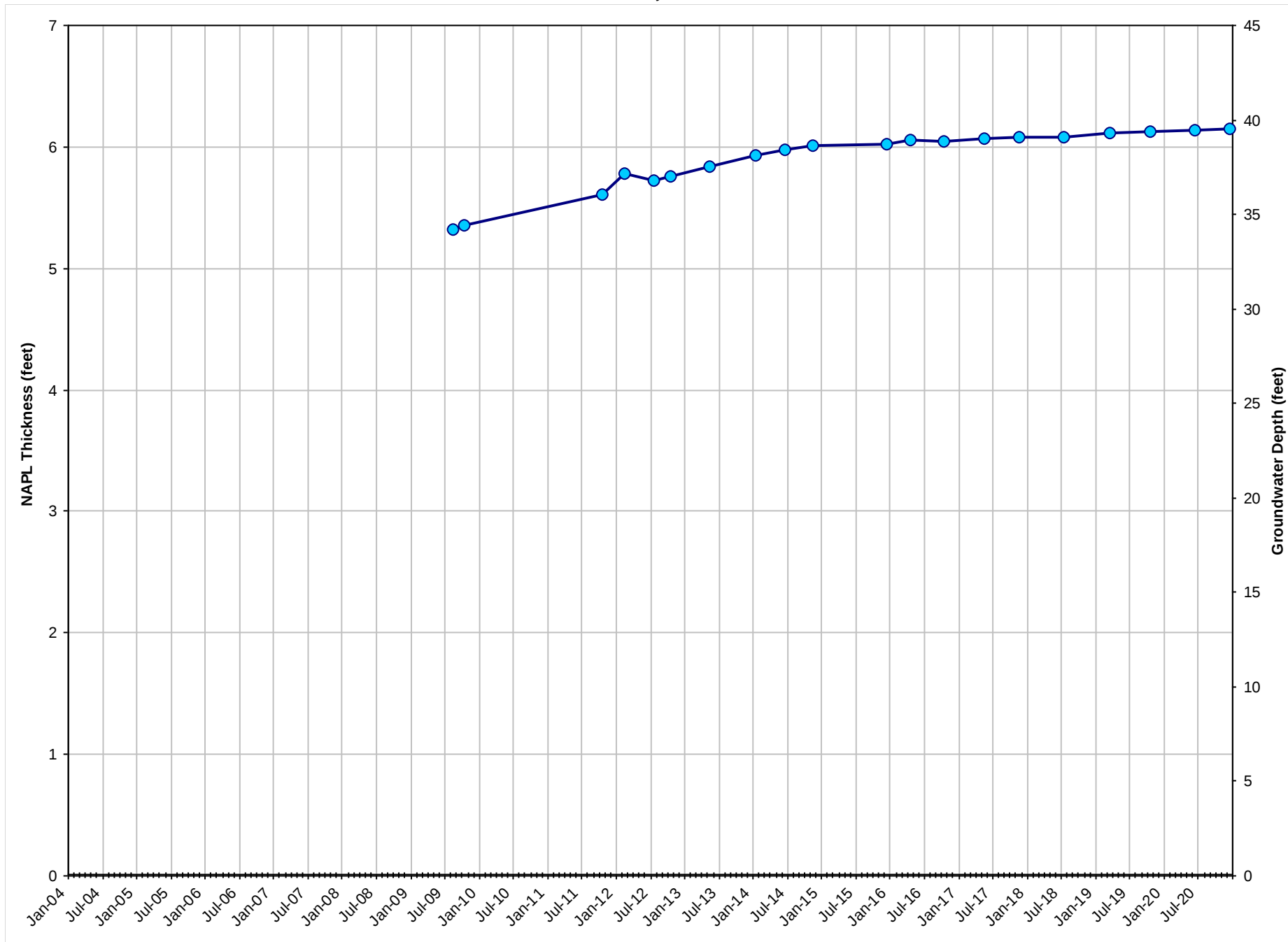
GRAPH 17
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-17
Gladiola Station
Lea County, New Mexico



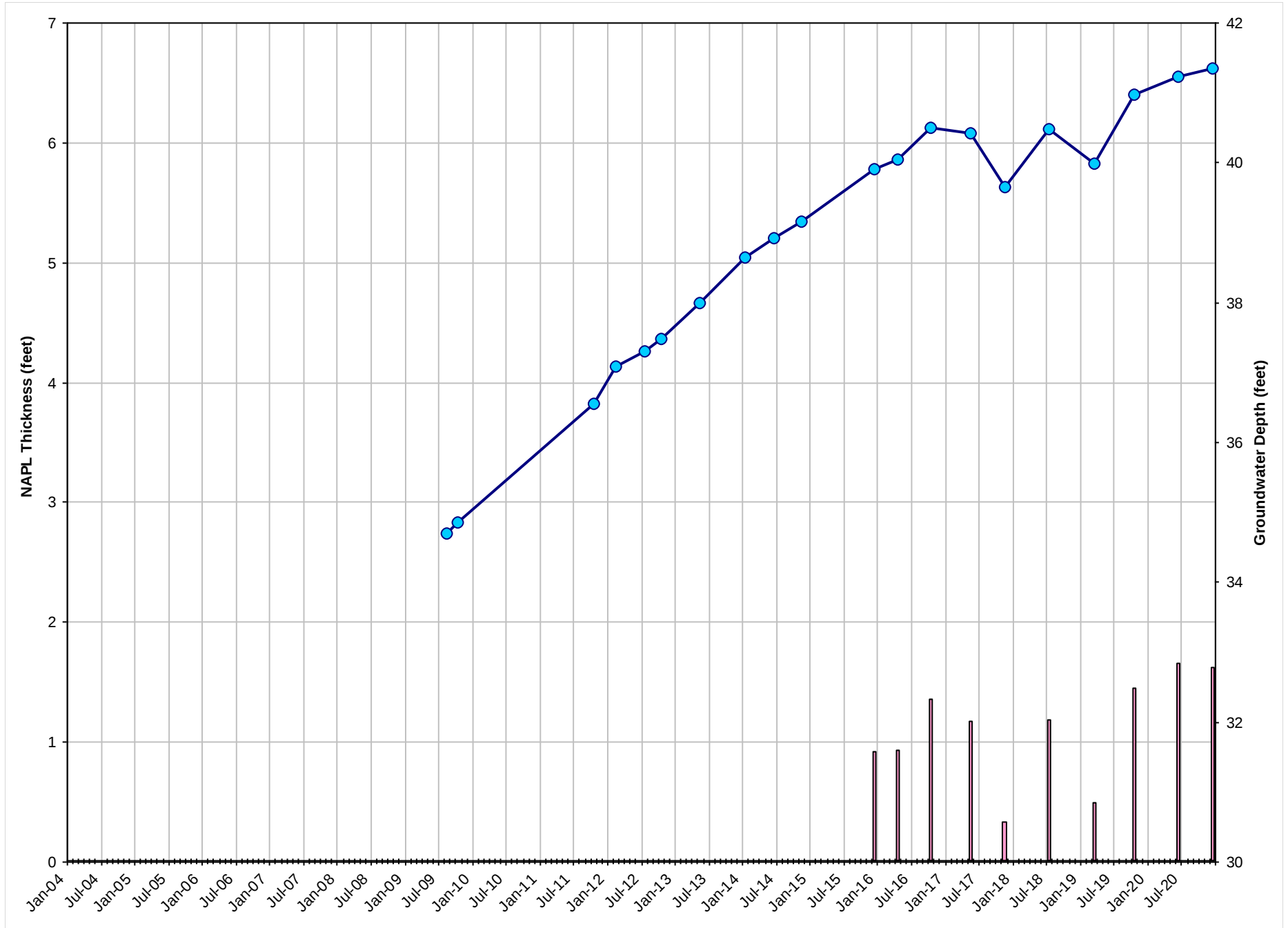
GRAPH 18
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-18
Gladiola Station
Lea County, New Mexico



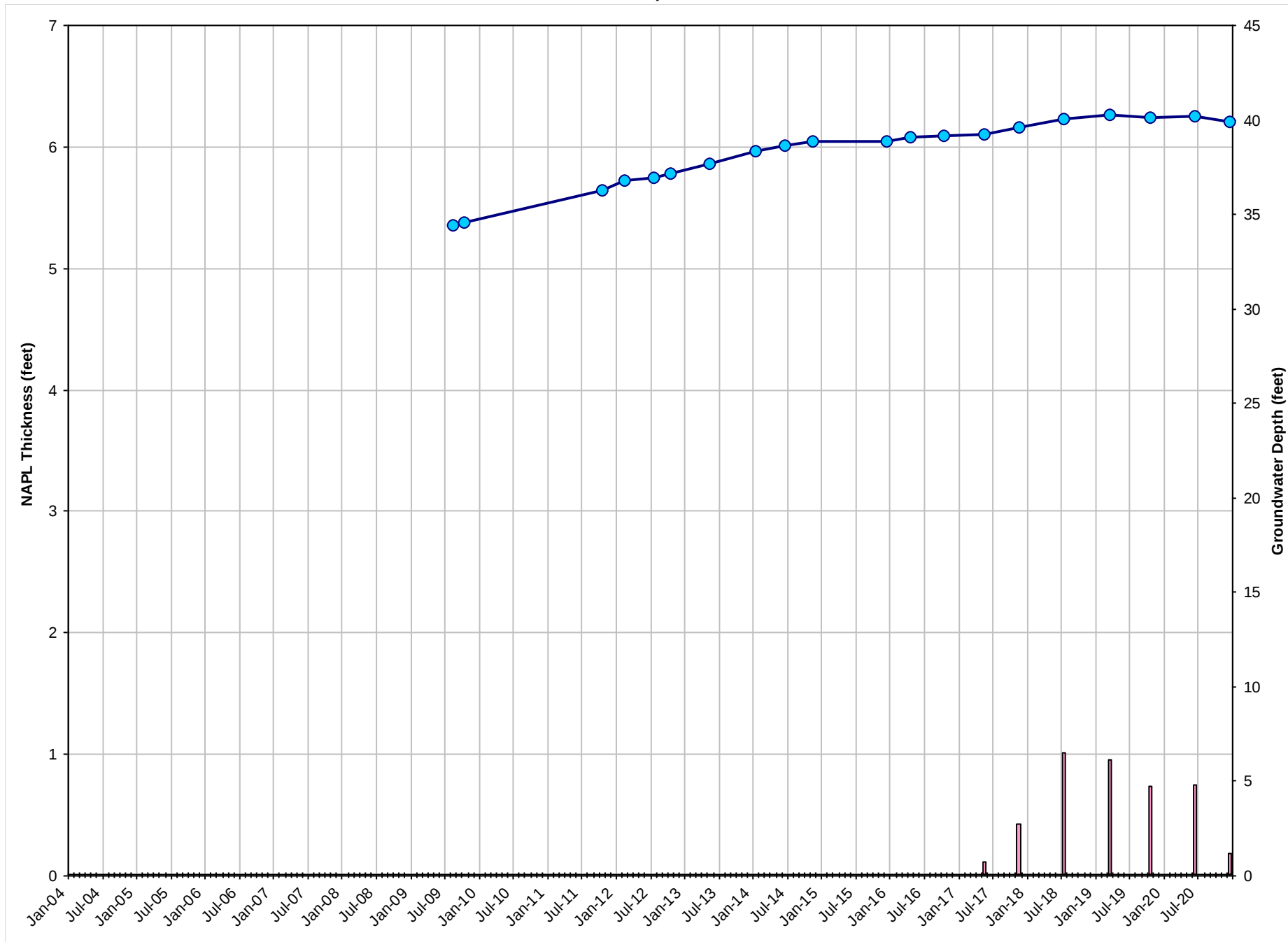
GRAPH 19
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-19
Gladiola Station
Lea County, New Mexico



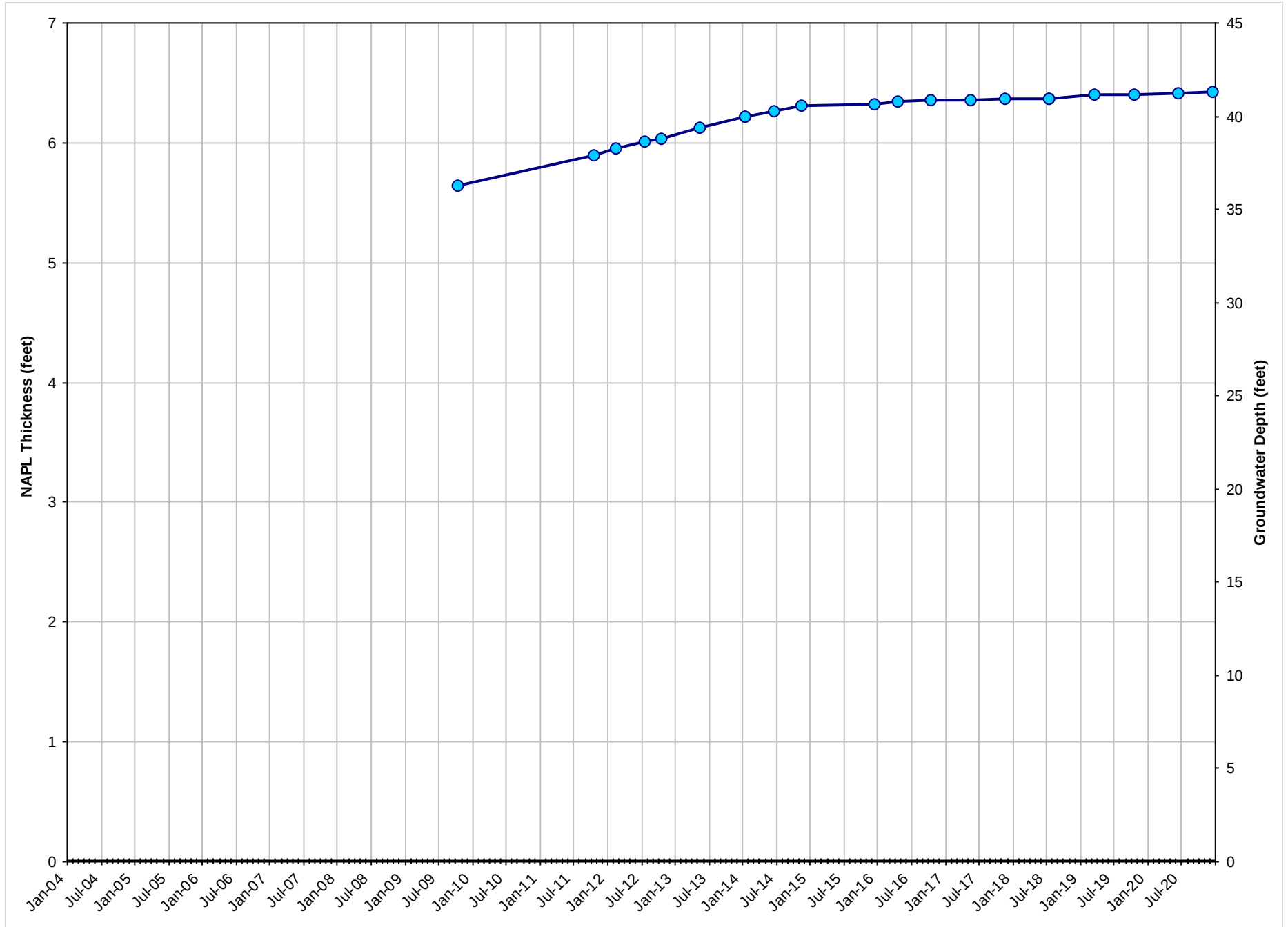
GRAPH 20
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-20
Gladiola Station
Lea County, New Mexico



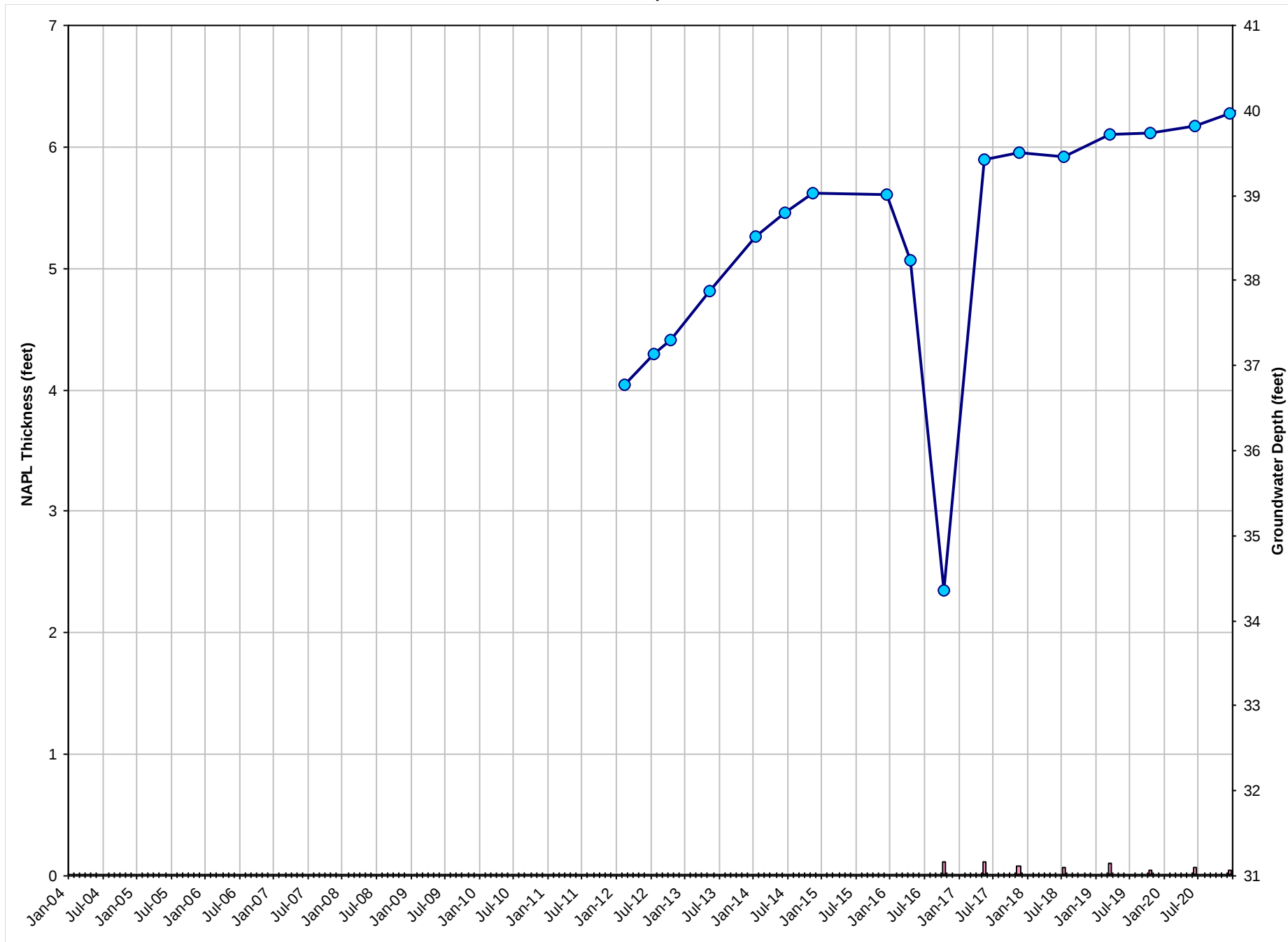
GRAPH 21
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-21
Gladiola Station
Lea County, New Mexico



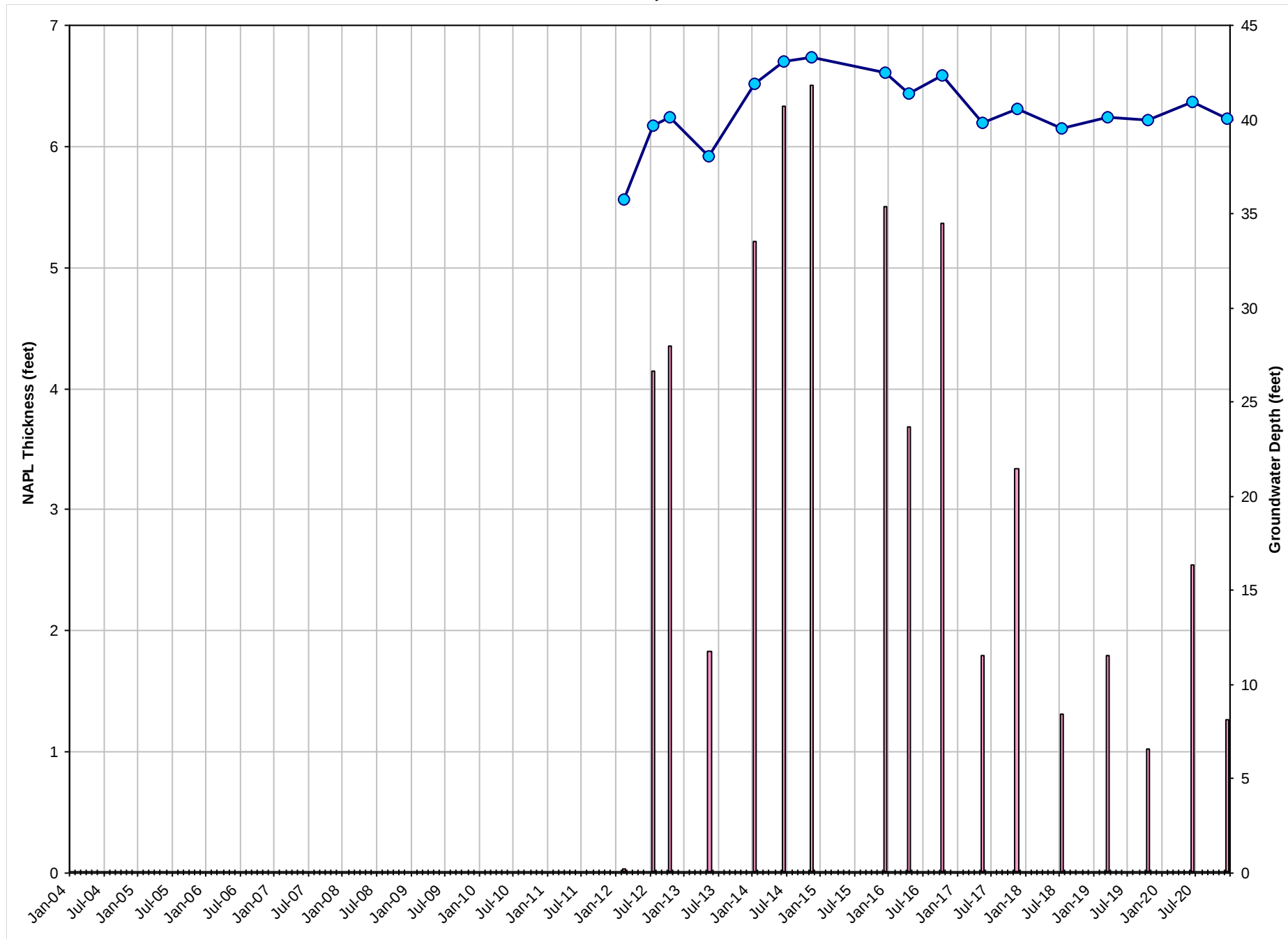
GRAPH 22
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-22
Gladiola Station
Lea County, New Mexico



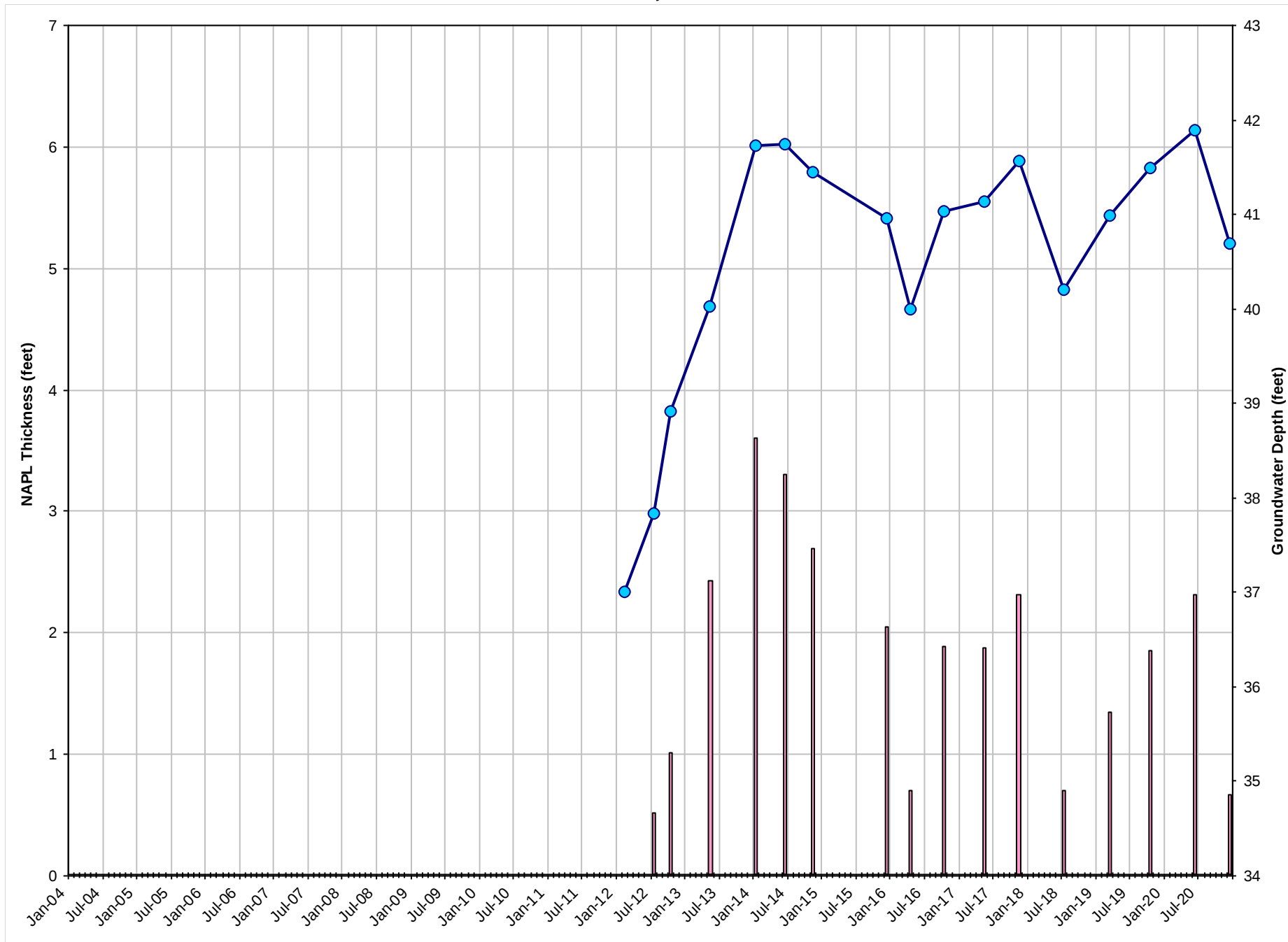
GRAPH 23
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-23
Gladiola Station
Lea County, New Mexico



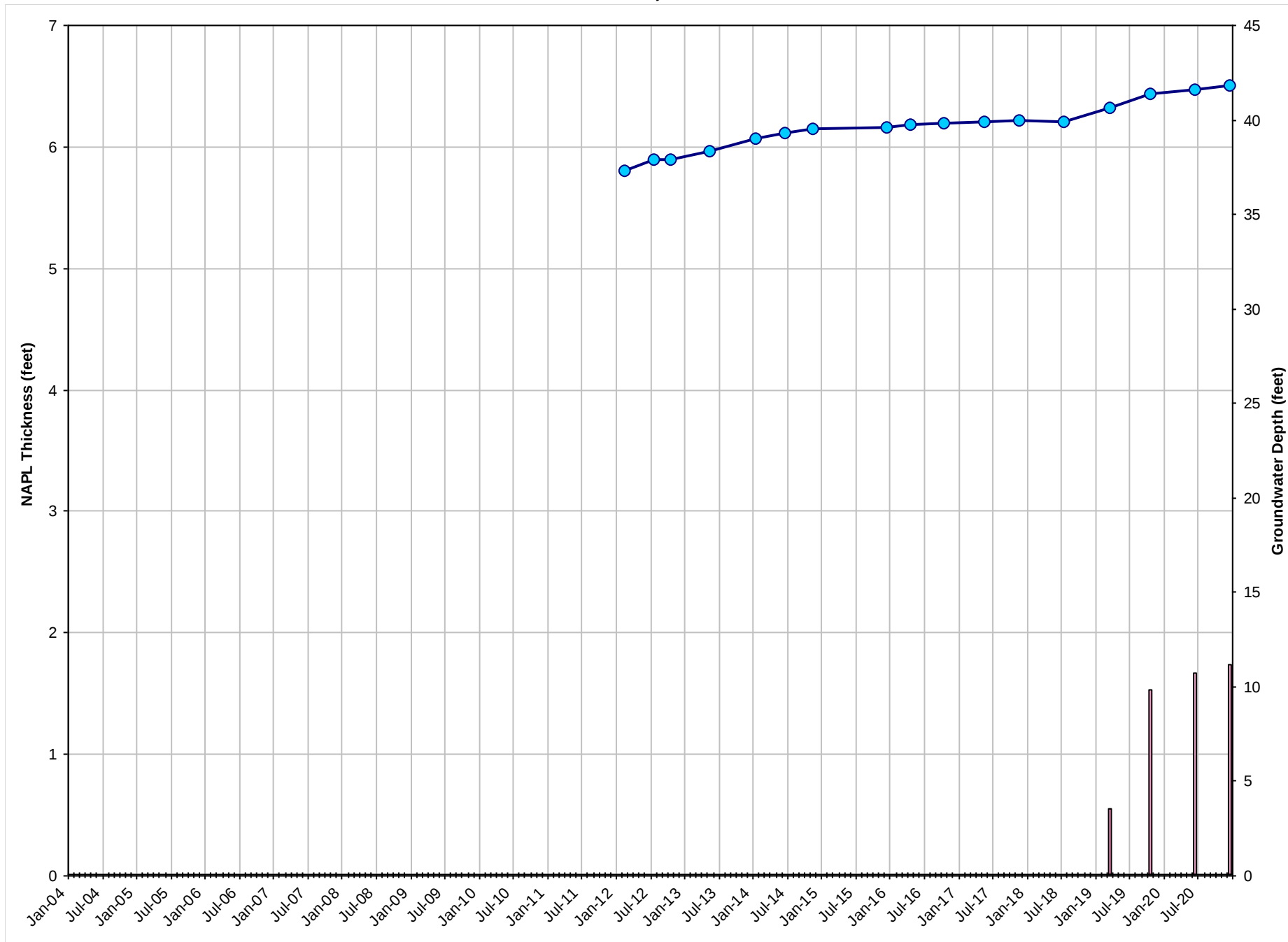
GRAPH 24
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-24
Gladiola Station
Lea County, New Mexico



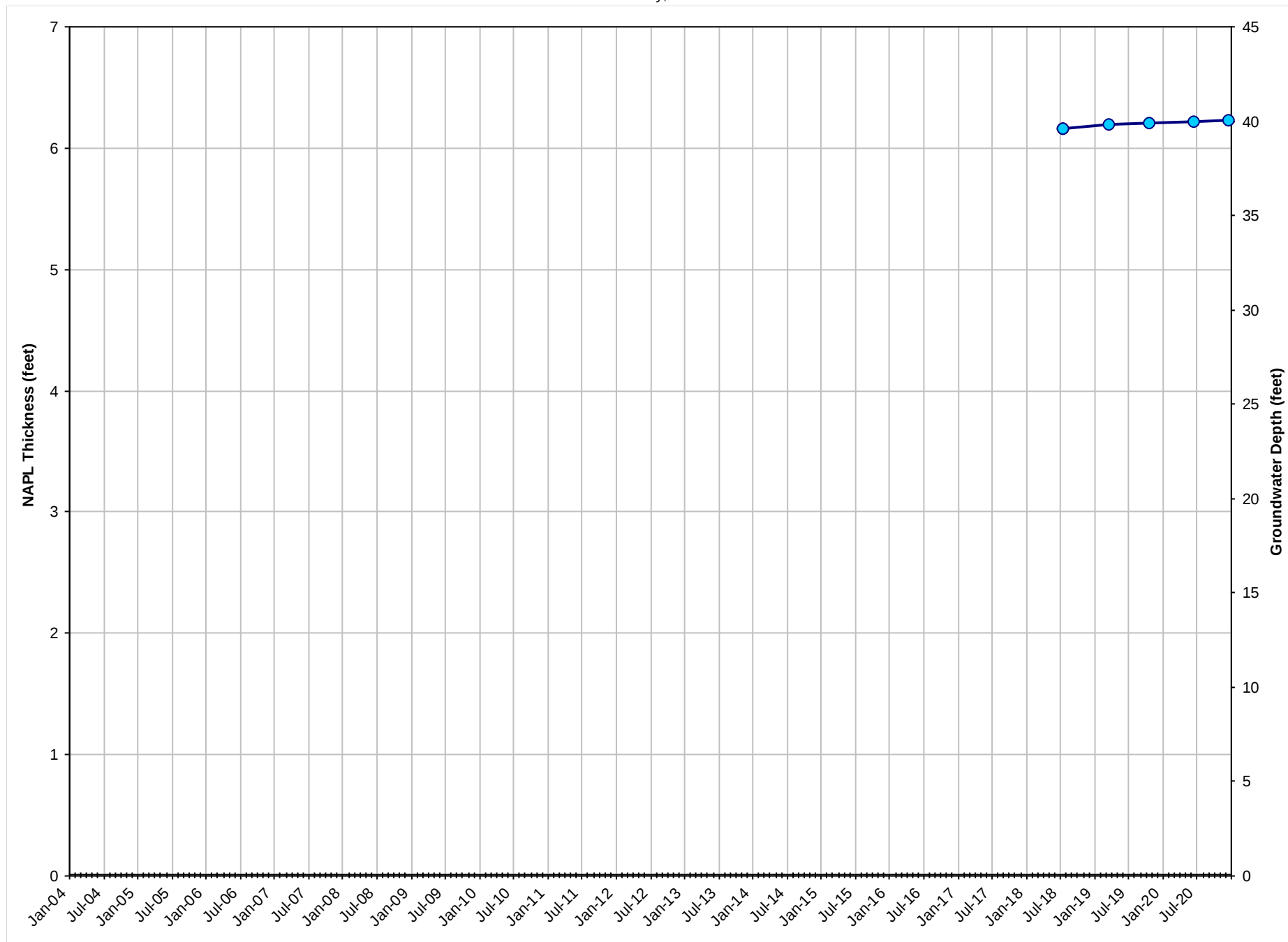
GRAPH 25
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-25
Gladiola Station
Lea County, New Mexico



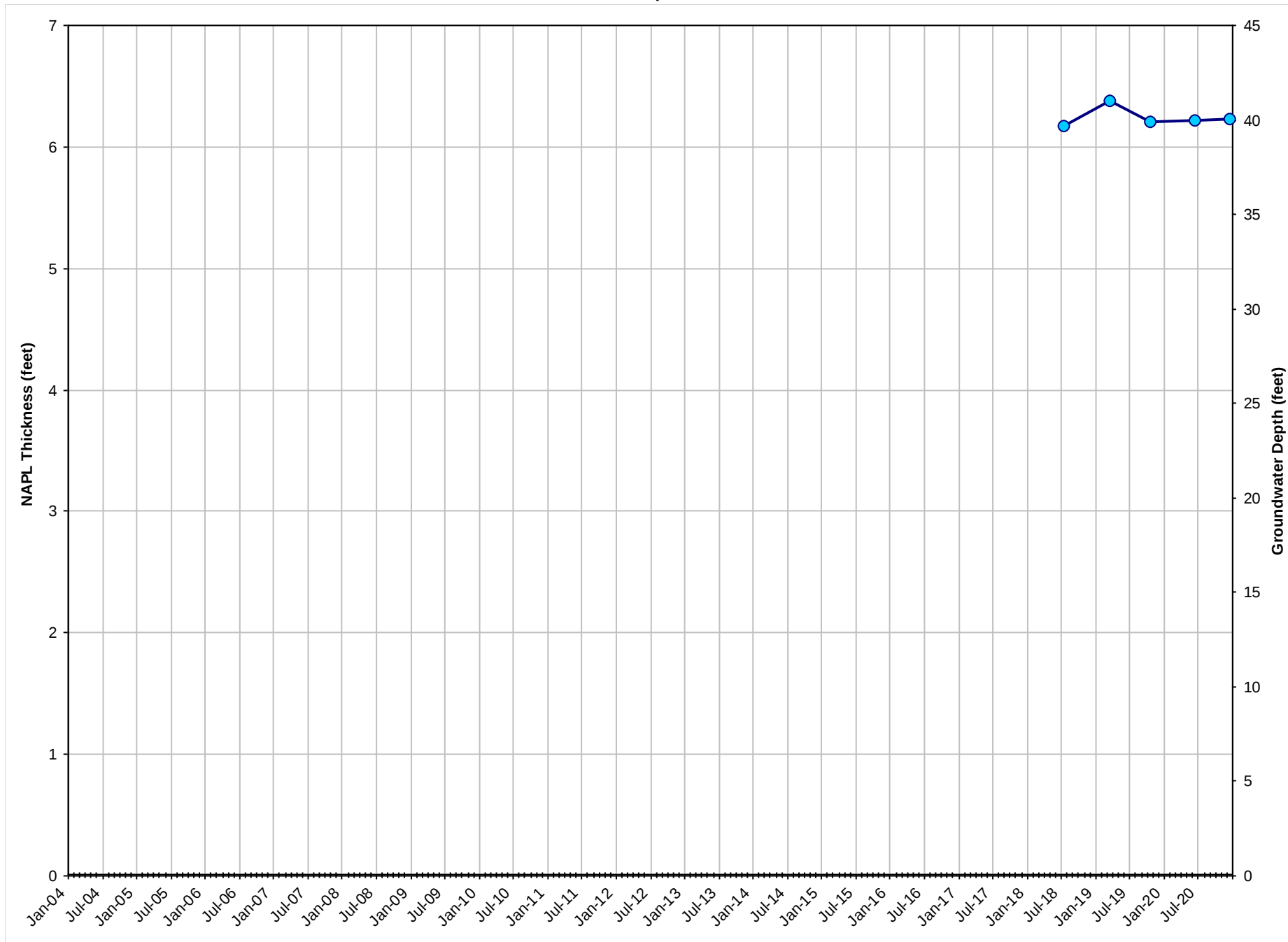
GRAPH 26
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-26
Gladiola Station
Lea County, New Mexico



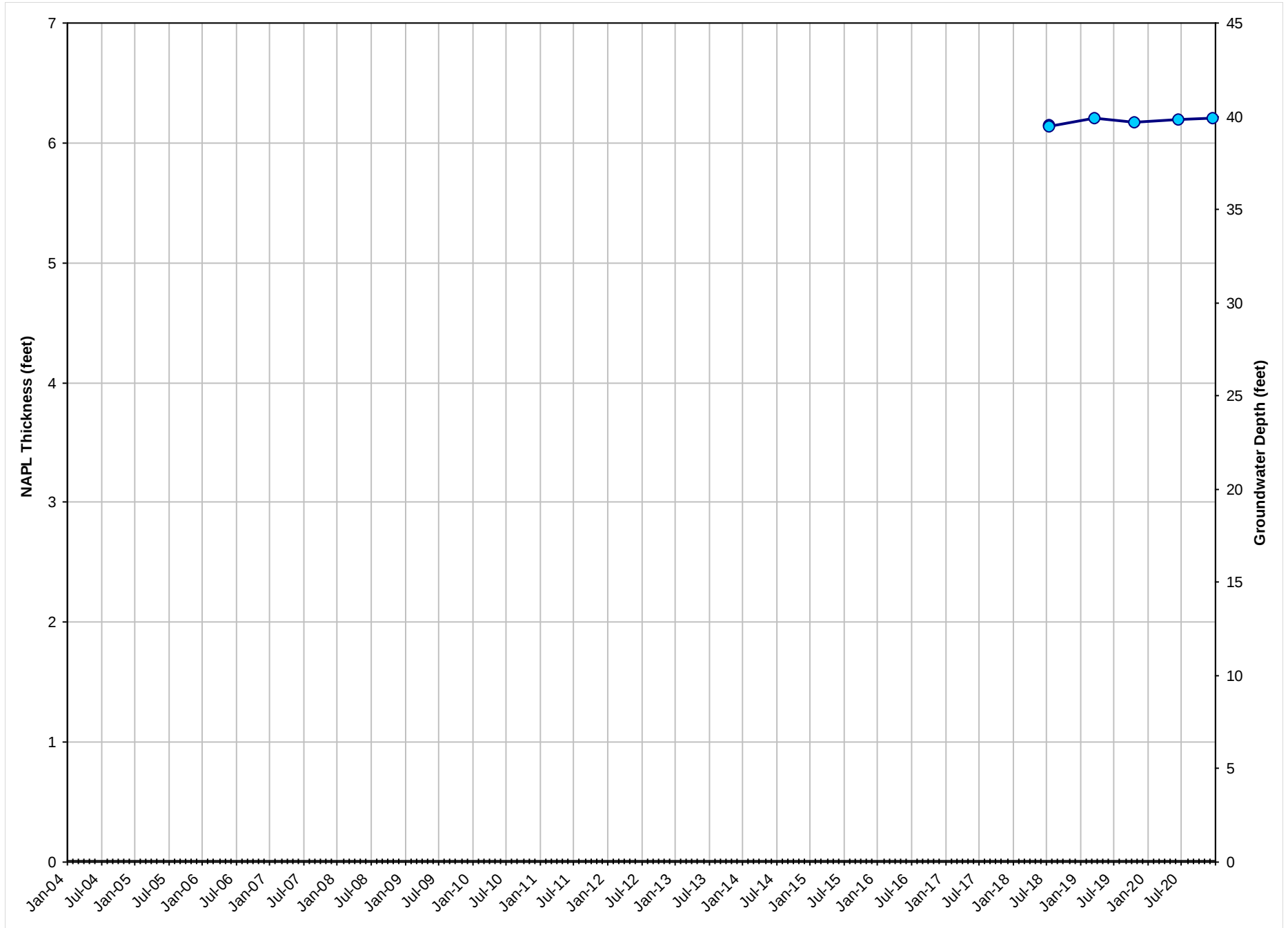
GRAPH 27
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-27
Gladiola Station
Lea County, New Mexico



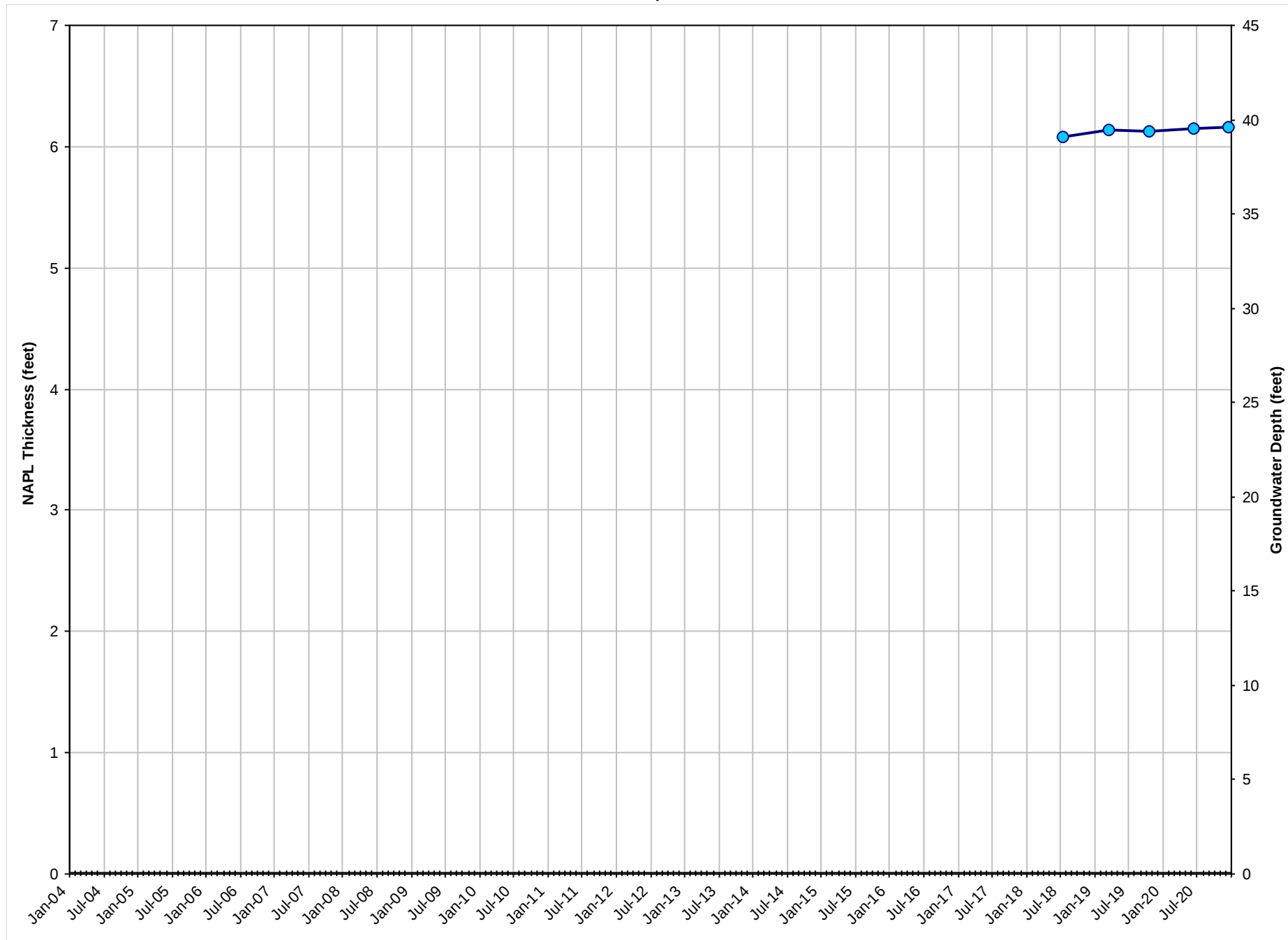
GRAPH 28
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-28
Gladiola Station
Lea County, New Mexico



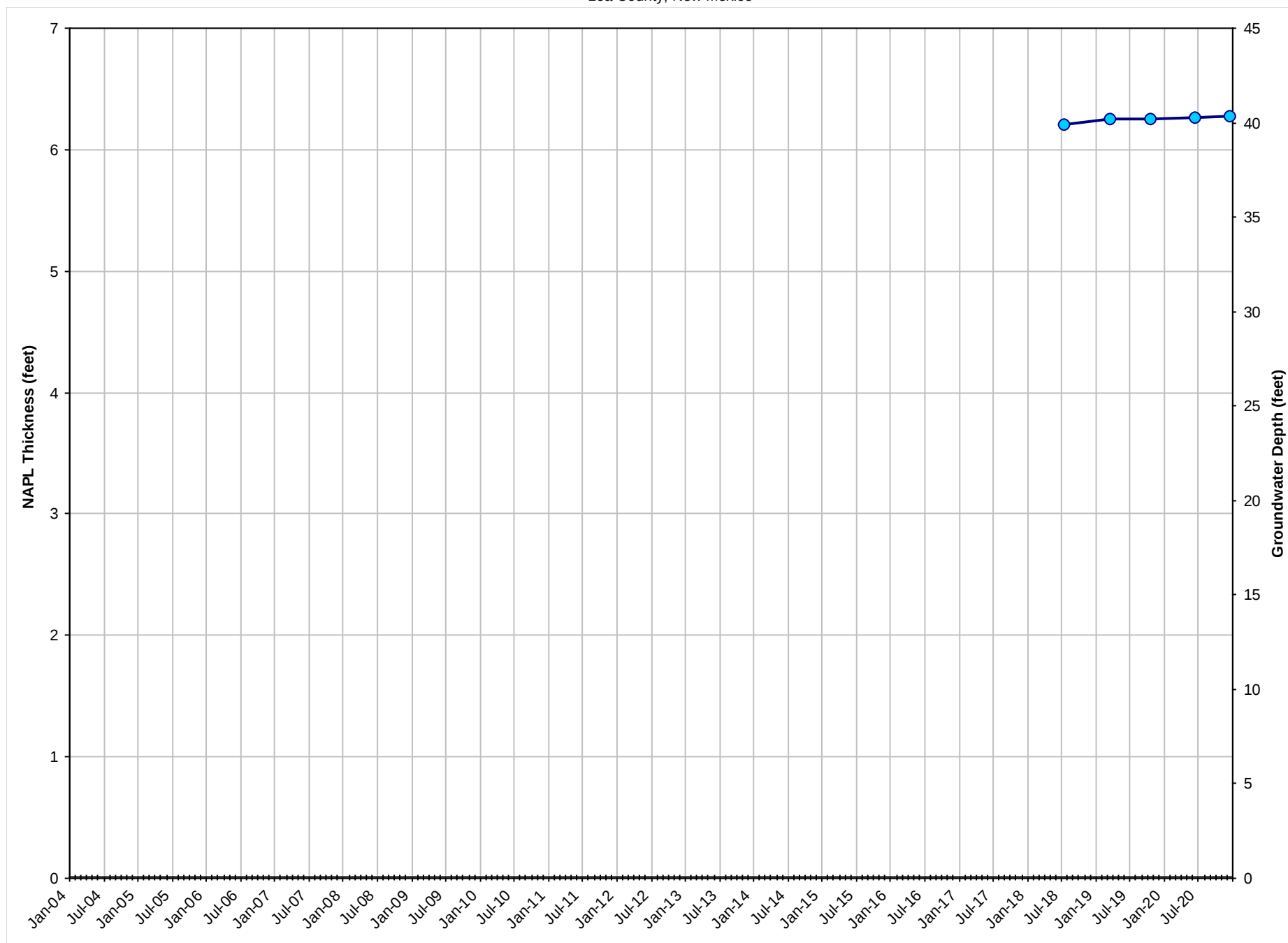
GRAPH 29
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-29
Gladiola Station
Lea County, New Mexico



GRAPH 30
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-30
Gladiola Station
Lea County, New Mexico



GRAPH 31
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-31
Gladiola Station
Lea County, New Mexico



GRAPH 32
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-32
Gladiola Station
Lea County, New Mexico

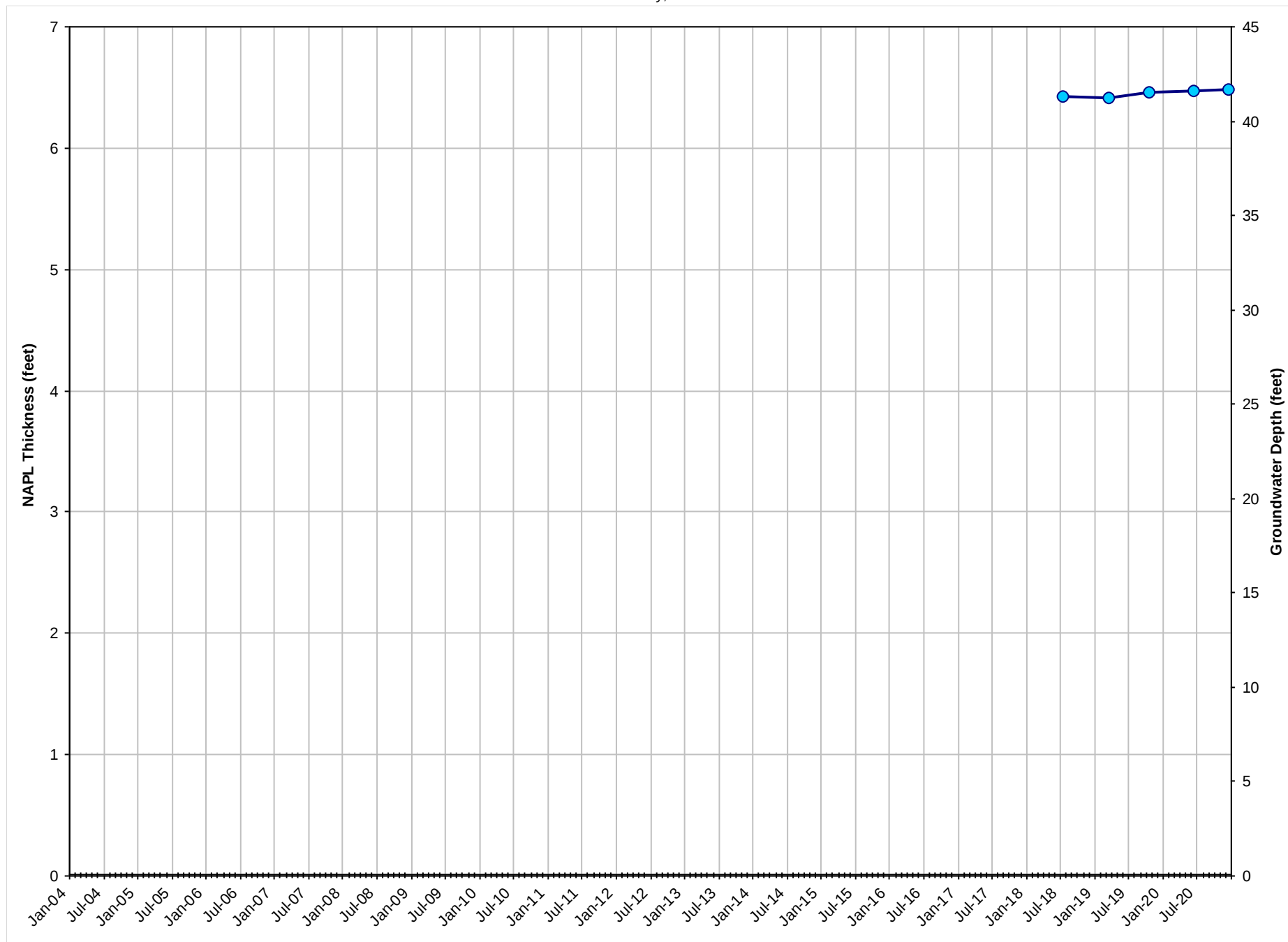


TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

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							
12/14/20	3866.77	38.20	3,828.60	0.04				
Field Point MW-2	Well Screen Interval (feet): 27.59-47.59							
12/14/20	3869.40	Dry		No				
Field Point MW-3	Well Screen Interval (feet): 24.20-44.20							
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
Field Point MW-4	Well Screen Interval (feet): 23.97-38.97							
12/14/20	3866.32	37.80	3,828.96	0.53				
Field Point MW-5	Well Screen Interval (feet): 27.19-47.19							
12/14/20	3868.65	39.97	3,829.11	0.52				
Field Point MW-6	Well Screen Interval (feet): 27.05-42.05							
12/14/20	3868.66	39.49	3,829.17	No	Insufficient water to sample.			
Field Point MW-7	Well Screen Interval (feet): 24.35-39.35							
12/14/20	3865.76	Dry		No				
Field Point MW-9	Well Screen Interval (feet): 27.64-42.64							
12/14/20	3869.90	41.42	3,828.71	0.28				
Field Point MW-10	Well Screen Interval (feet): 28.08-43.08							
12/14/20	3870.47	41.72	3,828.75	No	Insufficient water to sample.			
Field Point MW-11	Well Screen Interval (feet): 29.00-44.00							
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
Field Point MW-12	Well Screen Interval (feet): 30.00-45.00							
12/14/20	3869.40	40.79	3,828.73	0.15				
Field Point MW-13	Well Screen Interval (feet): 30.00-45.00							
12/14/20	3868.76	39.91	3,829.15	0.36				
Field Point MW-14	Well Screen Interval (feet): 27.00-42.00							
12/14/20	3868.62	39.58	3,829.24	0.24				
Field Point MW-15	Well Screen Interval (feet): 29.00-44.00							
12/14/20	3868.86	39.93	3,829.06	0.16				
Field Point MW-16	Well Screen Interval (feet): 26.50-41.50							
12/14/20	3868.68	39.63	3,829.26	0.25				
Field Point MW-17	Well Screen Interval (feet): 29.50-44.50							
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
Field Point MW-18	Well Screen Interval (feet): 27.00-42.00							
12/14/20	3868.94	40.21	3,829.15	0.50				

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							
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
Field Point MW-20	Well Screen Interval (feet): 29.50-44.50							
12/14/20	3869.15	41.34	3,829.15	1.62				
Field Point MW-21	Well Screen Interval (feet): 29.50-44.50							
12/14/20	3869.07	39.89	3,829.33	0.18				
Field Point MW-22	Well Screen Interval (feet): 30.00-45.00							
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
Field Point MW-23	Well Screen Interval (feet): 31.00-46.00							
12/14/20	3869.22	39.96	3,829.30	0.05				
Field Point MW-24	Well Screen Interval (feet): 28.00-43.00							
12/14/20	3868.04	40.04	3,829.05	1.27				
Field Point MW-25	Well Screen Interval (feet): 28.00-43.00							
12/14/20	3869.14	40.69	3,829.01	0.67				
Field Point MW-26	Well Screen Interval (feet): 30.00-45.00							
12/14/20	3869.15	41.82	3,828.77	1.74				
Field Point MW-27	Well Screen Interval (feet): 35.00-50.00							
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
Field Point MW-28	Well Screen Interval (feet): 35.00-50.00							
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
Field Point MW-29	Well Screen Interval (feet): 35.00-50.00							
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
Field Point MW-30	Well Screen Interval (feet): 35.00-50.00							
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
Field Point MW-31	Well Screen Interval (feet): 35.00-50.00							
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
Field Point MW-32	Well Screen Interval (feet): 35.00-50.00							
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

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 12/16/20	Well Screen Interval (feet): 24.20-44.20			<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
Field Point MW-11 12/16/20	Well Screen Interval (feet): 29.00-44.00			<0.00019	<0.00019	<0.00019	<0.00019	<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 12/16/20	Well Screen Interval (feet): 29.50-44.50			0.00016 J	<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
Field Point MW-19 12/15/20	Well Screen Interval (feet): 27.00-42.00			<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-22 12/16/20	Well Screen Interval (feet): 30.00-45.00			<0.00019	<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
Field Point MW-27 12/15/20	Well Screen Interval (feet): 35.00-50.00			<0.00019	<0.00019	<0.00019	<0.00019	<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 12/15/20	Well Screen Interval (feet): 35.00-50.00			<0.00019	<0.00019	<0.00019	<0.00019	<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 12/15/20	Well Screen Interval (feet): 35.00-50.00			<0.00019	<0.00019	<0.00019	<0.00019	<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 12/15/20	Well Screen Interval (feet): 35.00-50.00			<0.00019	<0.00019	<0.00019	<0.00019	<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 12/16/20	Well Screen Interval (feet): 35.00-50.00			<0.00019	<0.00019	<0.00019	<0.00019	<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 12/16/20	Well Screen Interval (feet): 35.00-50.00			<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

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 12/16/20	Well Screen Interval (feet): 0.0292 J	24.20-44.20 8.65	0.00501 J	0.00758 J	0.0164 J	<0.000500	<0.100	0.00324 J B	27.8		1400	1010
Field Point MW-11 12/16/20	Well Screen Interval (feet): <0.100	29.00-44.00 0.0394	0.00353 J	<0.0500	0.0169 J	<0.000500	<0.100	<0.0100	158		412	800
Field Point MW-17 12/16/20	Well Screen Interval (feet): 0.0226 J	29.50-44.50 11.0	0.00415 J	0.00691 J	0.0140 J	<0.000500	<0.100	<0.0100	6.64		1060	860
Field Point MW-19 12/15/20	Well Screen Interval (feet): <0.100	27.00-42.00 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-22 12/16/20	Well Screen Interval (feet): <0.100	30.00-45.00 0.0268	0.00296 J	<0.0500	0.0186 J	<0.000500	<0.100	<0.0100	32.7		261	620
Field Point MW-27 12/15/20	Well Screen Interval (feet): <0.100	35.00-50.00 0.0471	0.00332 J	<0.0500	0.0287 J	<0.000500	<0.100	0.00309 J B	306		172	945
Field Point MW-28 12/15/20	Well Screen Interval (feet): <0.100	35.00-50.00 0.0479	0.00280 J	<0.0500	0.0334 J	<0.000500	<0.100	<0.0100	209		150	1150
Field Point MW-29 12/15/20	Well Screen Interval (feet): <0.100	35.00-50.00 0.0382	0.00256 J	<0.0500	0.0213 J	<0.000500	<0.100	<0.0100	180		178	660
Field Point MW-30 12/15/20	Well Screen Interval (feet): <0.100	35.00-50.00 0.0538	0.00263 J	<0.0500	0.0232 J	<0.000500	<0.100	<0.0100	194		165	625
Field Point MW-31 12/16/20	Well Screen Interval (feet): <0.100	35.00-50.00 0.474	0.00317 J	<0.0500	0.0187 J	<0.000500	<0.100	<0.0100	45.7		476	1010
Field Point MW-32 12/16/20	Well Screen Interval (feet): <0.100	35.00-50.00 0.327	0.00304 J	<0.0500	0.0233 J	<0.000500	<0.100	<0.0100	35.5		540	545

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				
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.			
12/14/20	3869.40	Dry		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-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
Field Point MW-4	Well Screen Interval (feet): 23.97-38.97							
07/25/06	3864.66	29.57	3835.09	No	3.14	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	No	2.78	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	No	3.39	0.0151	0.337	0.662
09/21/08	3864.66			No				
09/26/08	3864.66	30.75	3833.93	0.02	2.95	0.0276	0.328	0.688
02/15/09	3864.66	31.09	3833.58	0.01				
05/19/09	3864.66	31.73	3833.10	0.20	1.93	0.00189	0.170	0.546
08/19/09	3864.66	31.82	3832.98	0.17	2.89	<0.00100	0.336	0.600
10/30/09	3864.66	31.80	3832.96	0.12	2.92	0.0011	0.347	0.619
10/12/11	3864.66	34.09	3830.91	0.41				
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62
Field Point MW-4	Well Screen Interval (feet): 23.97-38.97							
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
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				
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				
Field Point MW-6	Well Screen Interval (feet): 27.05-42.05							
07/21/06	3867.00	31.84	3835.16	No	0.034	0.001	0.001	0.0531
02/07/07	3867.00	31.93	3835.07	No	0.00667	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	No	1.34	<0.00100	<0.00100	<0.00300
09/21/08	3867.00			No				
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62
Field Point MW-6	Well Screen Interval (feet): 27.05-42.05							
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	3,829.17	No	Insufficient water to sample.			
Field Point MW-7	Well Screen Interval (feet): 24.35-39.35							
07/25/06	3864.14	29.05	3835.09	No	0.0279	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	No	0.0332	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	No	0.0147	<0.00100	0.00422	0.0167
09/20/08	3864.14			No				
09/26/08	3864.14	30.17	3833.97	No	0.0194	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	No	0.0158	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	No	0.0138	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	No	0.0250	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	No	0.0363	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	0.0115	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	Sheen	0.0348	<0.00100	0.0026	<0.00300
07/17/12	3865.67	33.96	3831.73	0.02				
10/03/12	3865.67	34.16	3831.52	0.01				
05/14/13	3865.67	35.96	3829.98	0.32				
01/27/14	3865.67	35.22	3830.47	0.03				
06/17/14	3865.67	35.54	3830.13	Sheen				
11/18/14	3865.67	35.64	3830.03	Sheen				
12/07/15	3865.67	35.76	3829.92	0.01				
04/26/16	3865.67	36.00	3829.68	0.01				
10/24/16	3865.67	35.84	3829.83	(d)				
05/22/17	3865.67	Dry		No				
11/28/17	3865.67	36.11	3829.56	No				
07/17/18	3865.76	Dry		No				
03/04/19	3865.76	Dry		No				
10/01/19	3865.76	Dry		No				
06/23/20	3865.76	Dry		No				
12/14/20	3865.76	Dry		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-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				
06/23/20	3869.90	41.20	3,828.95	0.30				
12/14/20	3869.90	41.42	3,828.71	0.28				
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

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62
Field Point MW-10	Well Screen Interval (feet): 28.08-43.08							
10/30/09	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	3,828.75	No	Insufficient water to sample.			
Field Point MW-11	Well Screen Interval (feet): 29.00-44.00							
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06			No				
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06			No	<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06			No	<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3,828.79	No				

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							
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
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				
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				

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							
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				
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				
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				

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-15	Well Screen Interval (feet): 29.00-44.00							
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				
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				
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				
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				

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-17	Well Screen Interval (feet): 29.50-44.50							
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
Field Point MW-18	Well Screen Interval (feet): 27.00-42.00							
08/19/09	3867.31	34.45	3832.86	No	2.40	0.0206	0.681	0.836
10/30/09	3867.31	34.60	3832.71	No	2.88	0.0144	0.779	0.703
10/13/11	3867.31	36.26	3831.05	No	1.81	0.00572	0.274	0.108
02/22/12	3867.31	36.59	3830.73	0.01				
07/17/12	3868.79	37.30	3831.82	0.40				
10/03/12	3868.79	38.20	3831.34	0.90				
05/14/13	3868.79	38.23	3831.22	0.80				
01/28/14	3868.79	38.92	3830.53	0.80				
06/17/14	3868.79	38.99	3830.26	0.56				
11/17/14	3868.79	39.12	3830.04	0.44				
12/07/15	3868.79	39.15	3829.92	0.34				
04/26/16	3868.79	39.36	3829.77	0.41				
10/24/16	3868.79	39.19	3829.77	0.21				
05/22/17	3868.79	39.45	3829.62	0.34				
11/28/17	3868.79	39.41	3829.61	0.28				
07/17/18	3868.94	39.50	3829.70	0.31				
03/04/19	3868.94	39.75	3,829.44	0.30				
10/01/19	3868.94	39.88	3,829.39	0.40				
06/23/20	3868.94	40.02	3,829.36	0.53				
12/14/20	3868.94	40.21	3,829.15	0.50				
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				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62
Field Point MW-19	Well Screen Interval (feet): 27.00-42.00							
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
Field Point MW-20	Well Screen Interval (feet): 29.50-44.50							
08/19/09	3867.50	34.69	3832.81	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.50	34.85	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.50	36.55	3830.95	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.50	37.09	3830.41	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.97	37.31	3831.66	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.97	37.48	3831.49	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.97	37.99	3830.98	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.97	38.65	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.97	38.93	3830.04	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.97	39.16	3829.81	No	0.0016	<0.00100	<0.00100	0.0098
12/07/15	3868.97	39.90	3829.83	0.92				
04/26/16	3868.97	40.04	3829.70	0.93				
10/24/16	3868.97	40.50	3829.60	1.36				
05/22/17	3868.97	40.42	3829.53	1.18				
11/28/17	3868.97	39.66	3829.58	0.33				
07/17/18	3869.15	40.48	3829.66	1.19				
03/04/19	3869.15	39.99	3,829.58	0.50				
10/01/19	3869.15	40.98	3,829.37	1.45				
06/23/20	3869.15	41.23	3,829.30	1.66				
12/14/20	3869.15	41.34	3,829.15	1.62				
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				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62
Field Point MW-21	Well Screen Interval (feet): 29.50-44.50							
06/23/20	3869.07	40.20	3,829.49	0.75				
12/14/20	3869.07	39.89	3,829.33	0.18				
Field Point MW-22	Well Screen Interval (feet): 30.00-45.00							
10/30/09	3868.21	36.27	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.21	37.90	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.21	38.26	3829.95	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.73	38.60	3831.13	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.73	38.80	3830.93	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.73	39.36	3830.37	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
01/29/14 D	3869.73	40.00	3829.73	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.73	40.29	3829.44	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.73	40.54	3829.19	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.73	40.62	3829.11	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.73	40.79	3828.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.73	40.82	3828.91	No				
10/25/16	3869.73			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3869.73	40.89	3828.84	No				
05/24/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3869.73	40.90	3828.83	No				
11/29/17	3869.73			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3869.86	40.90	3828.96	No				
07/18/18	3869.86	40.90	3828.96	No	<0.00050	0.00041 J	<0.00050	<0.00050
03/06/19	3869.86	41.16	3,828.70	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.86	41.18	3,828.68	No				
10/03/19	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
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
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				
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				

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					0.01	0.75	0.75	0.62
Field Point MW-24	Well Screen Interval (feet): 28.00-43.00							
10/03/12	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				
Field Point MW-25	Well Screen Interval (feet): 28.00-43.00							
02/22/12	3867.61	37.00	3830.61	No	8.7	1.12	0.911	2.7
07/17/12	3868.99	37.84	3831.58	0.52				
10/03/12	3868.99	38.92	3830.91	1.01				
05/14/13	3868.99	40.02	3830.99	2.43				
01/28/14	3868.99	41.72	3830.26	3.60				
06/17/14	3868.99	41.74	3829.99	3.30				
11/17/14	3868.99	41.45	3829.77	2.69				
12/07/15	3868.99	40.96	3829.73	2.05				
04/26/16	3868.99	40.00	3829.57	0.70				
10/24/16	3868.99	41.03	3829.53	1.89				
05/22/17	3868.99	41.13	3829.42	1.88				
11/28/17	3868.99	41.57	3829.34	2.31				
07/17/18	3869.14	40.20	3829.52	0.70				
03/04/19	3869.14	40.99	3,829.27	1.35				
10/01/19	3869.14	41.49	3,829.19	1.85				
06/23/20	3869.14	41.89	3,829.17	2.31				
12/14/20	3869.14	40.69	3,829.01	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

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-26	Well Screen Interval (feet): 30.00-45.00							
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				
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
Field Point MW-28	Well Screen Interval (feet): 35.00-50.00							
07/17/18	3869.32	39.65	3829.67	No				
07/19/18	3869.32			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.32	39.89	3,829.43	No				
10/02/19	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.32	39.99	3,829.33	No				
06/24/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
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
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
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
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				

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-31	Well Screen Interval (feet): 35.00-50.00							
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
Field Point MW-32	Well Screen Interval (feet): 35.00-50.00							
07/17/18	3870.35	41.28	3829.07	No				
07/19/18	3870.35			No	0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3,829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B
10/01/19	3870.35	41.55	3,828.80	No				
10/03/19	3870.35			No	0.0012	<0.00050	<0.00050	<0.0010
06/23/20	3870.35	41.63	3,828.72	No				
06/24/20	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010
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
Field Point SB-1GW	Grab Groundwater Sample							
10/28/11				No	0.00719	<0.00100	<0.00100	<0.00300
Field Point SB-2GW	Grab Groundwater Sample							
10/28/11				No	1.88	0.0938	0.138	0.26
Field Point SB-3GW	Grab Groundwater Sample							
10/28/11				No	1.94	2.42	0.986	2.27
Field Point SB-4GW	Grab Groundwater Sample							
10/28/11				No	3.91	0.0703	0.587	1.15
Field Point SB-5GW	Grab Groundwater Sample							
10/28/11				No	2.9	0.024	0.034	0.218
Field Point SB-6GW	Grab Groundwater Sample							
10/28/11				No	0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	Grab Groundwater Sample							
10/28/11				No	0.135	0.00135	0.0263	0.0759

TABLE 4
CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station
Lea County, New Mexico
Cardno 3612

Notes:

Data collected prior to December 8, 2015 provided by AECOM.

Bolded values equal or exceed applicable regulatory limits.

ELEV = Elevation. Groundwater elevations are adjusted for NAPL thickness using a relative density of 0.83.

GW = Groundwater.

NAPL = Non-aqueous phase liquid.

NMED WQCC HHS = New Mexico Environmental Department Water Quality Control Commission Human Health Standard for groundwater with 10,000 mg/l TDS or less.

Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.

TDS = Total dissolved solids.

mg/l = Milligrams per liter.

BDL = Below laboratory detection limits.

< = Not detected at or above stated laboratory reporting limit.

A-01 = Could not obtain constant weight.

B = Analyte reported in associated method or trip blank.

D = Duplicate sample.

J = Estimated value between method detection limit and practical quantitation limit.

R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.

R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.

R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.

X = Pre-purge/no-purge sample.

(a) = Analyzed by EPA Method 8310.

(b) = Analyzed by EPA Method 8260B.

(c) = Analyzed method unknown.

(d) = Analyzed to determine the presense of NAPL.

(e) = Insufficient water to purge.

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	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
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
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

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																		
10/12/11	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	<0.000196	<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	<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
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
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

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																		
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
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

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																		
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
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
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

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																		
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
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

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-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
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

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-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
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
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
Field Point MW-4	Well Screen Interval (feet): 23.97-38.97											
07/25/06	0.034	7.34	0.0016	0.0122	<0.00500	<0.000200	<0.0100	<0.00500	20.7	<1.00	850	1000
02/07/07	0.0617	8.00	<0.00100	0.0615	0.0201	<0.000200	<0.0100	<0.00500	15.1	1.09	2290	<100
04/15/08	0.0140	7.47	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.2	<1.00	1060	1180
09/21/08	0.0156	7.74	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.7	1.31	792	774
05/19/09	0.0162	8.32	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.4	3.08	802	854
08/19/09	0.0133	8.19	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.9	<1.00	807	860
10/30/09	0.0224	8.64	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12.2	<1.00	782	660
Field Point MW-5	Well Screen Interval (feet): 27.19-47.19											
07/20/06	0.0661	1.71	<0.00100	0.177	0.0151	0.000220	<0.0100	<0.00500	6.11	<1.00	1250	712

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

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

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

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

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

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

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

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

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	0.1	1	0.01	0.05	0.05	0.002	0.05	0.05	250.0	600.0	NA	1000.0
Field Point MW-14	Well Screen Interval (feet): 27.00-42.00											
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	Well Screen Interval (feet): 29.00-44.00											
04/30/08	0.0259	2.16	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	5.87	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	0.0267	6.47	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	6.05	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	4.5	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
Field Point MW-16	Well Screen Interval (feet): 26.50-41.50											
04/30/08	0.0107	1.02	<0.00100	0.0097	0.0058	<0.000200	<0.0100	<0.00500	16.6	52.5	750	726 A-01
09/21/08	0.0153	1.40	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.87	3.28	762	716
05/18/09	0.0167	1.59	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.84	1.69	783	776
08/19/09	0.0136	1.73	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.37	1.67	791	750
10/30/09	0.0136	1.79	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.38	1.83	732	410
10/30/09 D	0.0152	2.04	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	8.8	1.51	730	260
10/13/11	0.0142	2.21	0.0051	<0.00500	0.0074	<0.000200	<0.0100	<0.00500	6.19	2.08		
07/17/12	0.0147	1.86	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.83	2.32	726	788
10/03/12	0.0193	1.93	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7	1.81	721	769
Field Point MW-17	Well Screen Interval (feet): 29.50-44.50											
08/19/09	0.0475	1.98	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.7	1.09	748	725
10/30/09	0.0541	1.69	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11	<1.00	719	210
10/13/11	0.036	3.61	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	7.35	1.34		
07/17/12	0.0238	0.0206	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.93	1.43	714	747
10/03/12	0.0418	4.51	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.12	<1.00	698	718
11/29/17	0.0192	10.2	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	14	0.55 J	896	815
07/18/18	<0.0100	9.58	<0.0100	0.00471 J	<0.0100	0.0000984 B,J	<0.0150	<0.00500	5.6	<1.0	850	1000
03/06/19	<0.100	10.3	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
10/03/19	<0.100	9.99	<0.0100	<0.0500	0.0286 J	0.0000580	0.0297 J	<0.0100	4.63	<10	847	840
06/25/20	<0.100	9.45	<0.0100	<0.0500	0.0148 J	<0.000500	<0.100	<0.0100	2.62	<10	859	855
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

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	0.1	1	0.01	0.05	0.05	0.002	0.05	0.05	250.0	600.0	NA	1000.0
Field Point MW-18	Well Screen Interval (feet): 27.00-42.00											
08/19/09	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	113	232	961	1510
10/30/09	0.0377	0.249	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.1	42.8	989	890
10/13/11	0.0102	0.138	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	46.6	15.7		
Field Point MW-19	Well Screen Interval (feet): 27.00-42.00											
08/19/09	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.6	145	224	554
10/30/09	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.1	148	209	380
10/13/11	0.0197	0.0321	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	30	140		
07/17/12	0.0237	0.0357	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.2	150	196	595
10/03/12	0.0308	0.0271	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.8	151	195	579
05/15/13	0.0185	0.0307	<0.000200	<0.0012	0.0099	<0.00015	<0.0064	<0.0013	36	156	189	585
01/29/14	0.028	0.0281	<0.000200	<0.0012	0.0039 J	<0.00015	<0.0064	<0.0013	40.9	163	203	570 B
06/18/14	0.0161	0.0247	0.0006 J	<0.00300	<0.002	<0.00015	0.0083 J	<0.0025	43.6 B	176	192	621
11/18/14	0.02	0.023	<0.00100	<0.00500	0.0098	<0.000200	<0.0100	<0.00500	43	170	190	610
12/09/15	0.0275	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
04/27/16	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
05/24/17	0.0327	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
11/29/17	0.0382	0.0579	<0.0100	0.116	<0.0100	<0.000200	0.00751 J	<0.00500	23	130	361	605
07/18/18	0.0388	0.0497	<0.0100	<0.0100	<0.0100	0.000112 B,J	<0.0150	<0.00500	36	120	300	610
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
10/02/19	<0.100	0.0477	<0.0100	0.00788 J	<0.0500	0.0000658	<0.100	<0.0100	36.2	100	325	515
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
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

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											
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
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

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											
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
Field Point MW-23	Well Screen Interval (feet): 31.00-46.00											
02/22/12	0.0258	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0307	0.0392	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.06	91.9	425	652
10/03/12	0.0335	0.0334	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.34	79.4	412	654
05/15/13	0.0259	0.037	<0.000200	<0.0012	0.0065	<0.00015	0.0129	<0.0013	2.85	73.6 J	377	635
01/29/14	0.0343	0.0385	<0.000200	<0.0012	0.0052	<0.00015	<0.0064	<0.0013	3.76	109	393	597 B
06/18/14	0.0308	0.0889	0.0007 J	0.0035 J	0.0027 J	<0.00015	0.0063 J	<0.0025	4.27 B	111	370	628
11/18/14	0.033	0.053	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.9	100	370	630
12/08/15	0.0452	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
04/27/16	0.0577	0.768	<0.00100	0.0832	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
Field Point MW-25	Well Screen Interval (feet): 28.00-43.00											
02/22/12	0.062	7.1	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
Field Point MW-26	Well Screen Interval (feet): 30.00-45.00											
02/22/12	0.0135	0.0408	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0123	0.0391	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	19.5	136	304	723
10/03/12	0.0198	0.0296	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24	165	307	736
05/15/13	0.019	0.0366	<0.000200	<0.0012	<0.0017	<0.00015	0.0085 J	<0.0013	25.6	196	303	769
01/29/14	0.0159	0.0335	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	26.6	192	332	751 B
06/18/14	0.0133	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	0.015	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771
10/25/16	0.0300	1.37	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	0.0127	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	0.0249	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720

TABLE 6
CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station
 Lea County, New Mexico
 Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	0.1	1	0.01	0.05	0.05	0.002	0.05	0.05	250.0	600.0	NA	1000.0
Field Point MW-27	Well Screen Interval (feet): 35.00-50.00											
07/19/18	0.0226	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	0.0519	<0.00500	280	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	310	130	160	810
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	278	110	176	815
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	286	120	168	955
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
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
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
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
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

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

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

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

TABLE 7
CONSTITUENTS DETECTED IN GROUNDWATER BY FULL SCAN 8260B - CUMULATIVE DATA
(EXCEPT BTEX AND FUEL OXYGENATES)

Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	NA	NA	NA	0.01	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Field Point MW-3														
12/16/20					0.040	0.053	0.0034 J	0.042		0.0057				
Field Point MW-6														
05/24/17	0.0041 J						0.00028 J		0.00031 J	0.00084	0.00027 J	0.00094	0.0021	
11/29/17	0.0045 J						0.00022 J		0.00077	0.00047 J		0.0011	0.0017	
07/20/18	0.0041 J													
03/07/19										0.00038 J	0.000087 J	0.000080 J	0.00033 J	
Field Point MW-10														
05/24/17														
11/29/17	0.0056 J									0.00036 J				
07/20/18	0.0081 J									0.00060				
03/07/19	0.0041 J				0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J	
Field Point MW-11														
05/24/17														
11/29/17	0.0067 J					0.0013 J	0.00061		0.00024 J	0.00025 J		0.0014	0.00056	
07/18/18														
03/07/19														
10/03/19												0.00010 J		
06/25/20					0.00014 J						0.00021 J			
12/16/20														
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	
12/16/20					0.042	0.064	0.0031	0.039		0.0042		0.070	0.020	
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	

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-19														
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														
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														
Field Point MW-28														
07/19/18														
03/05/19														
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-29														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
Field Point MW-30														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
Field Point MW-31														
07/19/18					0.00029 J			0.00022 J				0.0019	0.00091	
03/07/19					0.0012	0.00020 J		0.00081	0.00067	0.0019	0.00045 J	0.0057	0.0038	
10/03/19					0.00025 J			0.00015 J	0.00020 J	0.00052	0.00016 J	0.0025	0.00061	
06/25/20					0.00014 J			0.000090 J	0.000080 J	0.00029 J		0.00074	0.00012 J	
12/16/20					0.00048 J	0.00032 J			0.00028 J	0.0015	0.00043 J	0.00063		
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		

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):

Plot Calypzo / Jose Vasquez

Project Number: 013612

Gauging Instrument:

Interface Probe

Date(s):

12-14-20

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW19	12-14-20	1115	44.63	39.55			4"
MW30		1120	53.87	39.57			4"
MW29		1126	53.91	39.88			4"
MW28		1130	52.82	40.06			4"
MW27		1134	53.90	40.05			4"
MW32		1140	53.40	41.69			4"
MW17		1144	48.22	40.48			4"
MW22		1149	47.74	41.32			4"
MW11		1154	48.02	41.01			4"
MW10		1200	42.79	41.72			2" INSufficient Water
MW31		1208	53.61	40.32			4"
MW6		1220	42.14	39.49			2" INSuff. c. ext Water
MW3		1232	44.75	36.38			2"
MW7		1237	36.19	—			2" DRY Vanlt Rim Broken
MW2		1242	36.78	—			2" Casings Broken Dry
MW14		1258	—	39.58	39.34		4"
MW15		1307	—	39.93	39.77		4"
MW5		1312	—	39.97	39.45		2"
MW24		1317	—	40.04	38.77		2"
MW23		1322	—	39.96	39.91		2"
MW21		1327	—	39.89	39.71		4"
MW20		1331	—	41.34	39.72		4"
MW18		1338	—	40.21	39.71		4"
MW13		1344	—	39.91	39.55		4"
MW25		1349	—	40.69	40.02		2"

Site Location: Tatum, New Mexico

Project Name: Gladiola Station

Personnel(s):

Project Number: 013612

Gauging Instrument:

Date(s):

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

652

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

Released to Imaging: 12/11/2024 1:55:10 PM

2.0
1.0
x:652

Released to Imaging: 12/11/2024 1:55:10 PM

Well MW-12

Cardno LNAPL BAILING FORM

SITE: <u>013612 Calinduga Station</u>		PROJ. NO. <u>013612</u>
WELL: <u>Mid-12</u>		SAMPLER(S) <u>30x 1/2 in / 1 in / 1 in</u>
METHOD: <u>Hand</u>	BAILER (type) <u>30" poly</u>	PUMP (type)

WELL INFORMATION

HYDROCARBON INFORMATION

CASING DIAMETER 4" ¹⁶	FLUID TYPE
TOTAL DEPTH	VISCOSITY
DEPTH TO TOP OF SCREEN	DENSITY Thick
SCREEN LENGTH	COLOR Dark Brown

TEST DATA

[illegible]

Figure 1

Well MW-24

Cardno
LNAPL BAILING FORM

SITE: <i>Cladiola Station</i>		PROJ. NO. <i>013612</i>
WELL: <i>MW-24</i>		SAMPLER(S) <i>Clint Log 20 / 704 sampler</i>
METHOD: <i>Hand</i>	BAILER (type) <i>1" polly</i>	PUMP (type)

WELL INFORMATION

HYDROCARBON INFORMATION

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

TEST DATA

[illegible]

Figure 1

Well MW-15

Well MW-21

Well M/K-1 3

Well N/W-20

Well MW-9

APPENDIX B

LABORATORY ANALYTICAL REPORTS



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-46505-1

Client Project/Site: ExxonMobil Gladiola Station / 3612

For:

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

Attn: Mr. James Anderson

Cecile de Guia

Authorized for release by:
1/4/2021 5:34:14 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 570-46505-1

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	8
Surrogate Summary	22
QC Sample Results	23
QC Association Summary	32
Lab Chronicle	35
Certification Summary	38
Method Summary	39
Chain of Custody	40
Receipt Checklists	43

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Sample Summary

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

Job ID: 570-46505-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-46505-1	W-MW-19	Water	12/15/20 08:56	12/17/20 10:40	
570-46505-2	W-MW-30	Water	12/15/20 10:02	12/17/20 10:40	
570-46505-3	W-MW-29	Water	12/15/20 11:06	12/17/20 10:40	
570-46505-4	W-MW-28	Water	12/15/20 12:21	12/17/20 10:40	
570-46505-5	W-MW-27	Water	12/15/20 13:11	12/17/20 10:40	
570-46505-6	TRIP BLANK	Water	12/15/20 00:00	12/17/20 10:40	

Definitions/Glossary

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

Job ID: 570-46505-1

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
*1	LCS/LCSD RPD exceeds control limits.

Metals

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

Glossary

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

Eurofins Calscience LLC

Case Narrative

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

Job ID: 570-46505-1

Job ID: 570-46505-1**Laboratory: Eurofins Calscience LLC****Narrative****Job Narrative
570-46505-1****Comments**

No additional comments.

Receipt

The samples were received on 12/17/2020 10:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 2.9° C.

GC/MS VOA

Method 8260B: The following analyte recovered outside control limits for the LCSD associated with analytical batch 570-117199: Acetone. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Unless there is a specific client QAPP requirement, the reported analyte list for batch quality control samples (LCS, LCSD, MS, and MSD) is in accordance with EPA Method 8260B. Refer to the QC Sample Results section of this report.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-117199.

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

GC/MS Semi VOA

Method 8270C SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-117680 and analytical batch 570-118210 recovered outside control limits for the following analytes: 1-Methylnaphthalene

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

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-119751 and analytical batch 570-120135 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-117680. The LCS/LCSD was preformed to meet QC requirements.

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

VOA Prep

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

Detection Summary

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

Job ID: 570-46505-1

Client Sample ID: W-MW-19

Lab Sample ID: 570-46505-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38	J	0.50	0.27	ug/L	1		8260B	Total/NA
Ethylbenzene	3.2		0.50	0.36	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	13		0.50	0.29	ug/L	1		8260B	Total/NA
Isopropylbenzene	5.1		0.50	0.38	ug/L	1		8260B	Total/NA
Naphthalene	0.86	J	1.0	0.32	ug/L	1		8260B	Total/NA
n-Butylbenzene	0.98		0.50	0.29	ug/L	1		8260B	Total/NA
N-Propylbenzene	3.3		0.50	0.39	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	2.3		0.50	0.28	ug/L	1		8260B	Total/NA
sec-Butylbenzene	3.4		0.50	0.34	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.97		0.50	0.34	ug/L	1		8260B	Total/NA
Fluorene	0.40		0.19	0.071	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	2.8	*1	0.19	0.069	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene	0.30		0.19	0.073	ug/L	1		8270C SIM	Total/NA
Naphthalene	0.58		0.19	0.078	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.20		0.19	0.069	ug/L	1		8270C SIM	Total/NA
Barium	0.0860	F1	0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00321	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Chromium	0.0451	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Lead	0.0198	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	415		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	635		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	40.9		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-30

Lab Sample ID: 570-46505-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0538		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00263	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Lead	0.0232	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	165		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	625		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	194		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-29

Lab Sample ID: 570-46505-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0382		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00256	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Lead	0.0213	J	0.0500	0.00821	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	660		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	180		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-28

Lab Sample ID: 570-46505-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0479		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00280	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Lead	0.0334	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	150		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1150		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	209		2.00	0.594	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: 570-46505-1

Client Sample ID: W-MW-27

Lab Sample ID: 570-46505-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0471		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00332	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Lead	0.0287	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Silver	0.00309	J B	0.0100	0.00298	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	172		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	945		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	306		10.0	2.97	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: TRIP BLANK

Lab Sample ID: 570-46505-6

No Detections.

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-19

Lab Sample ID: 570-46505-1

Date Collected: 12/15/20 08:56

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.38	J	0.50	0.27	ug/L			12/18/20 15:24	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 15:24	1
Ethylbenzene	3.2		0.50	0.36	ug/L			12/18/20 15:24	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 15:24	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 15:24	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 15:24	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 15:24	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 15:24	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 15:24	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 15:24	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 15:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 15:24	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 15:24	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 15:24	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 15:24	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 15:24	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 15:24	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 15:24	1
1,2,4-Trimethylbenzene	13		0.50	0.29	ug/L			12/18/20 15:24	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 15:24	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 15:24	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 15:24	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 15:24	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 15:24	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 15:24	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 15:24	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/18/20 15:24	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 15:24	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 15:24	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 15:24	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 15:24	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 15:24	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 15:24	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 15:24	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 15:24	1
Acetone	ND	+	8.0	4.0	ug/L			12/18/20 15:24	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 15:24	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 15:24	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 15:24	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 15:24	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 15:24	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 15:24	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 15:24	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 15:24	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 15:24	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 15:24	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 15:24	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 15:24	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 15:24	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-19

Lab Sample ID: 570-46505-1

Date Collected: 12/15/20 08:56

Matrix: Water

Date Received: 12/17/20 10:40

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			12/18/20 15:24	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 15:24	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 15:24	1
Isopropylbenzene	5.1		0.50	0.38	ug/L			12/18/20 15:24	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 15:24	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 15:24	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 15:24	1
Naphthalene	0.86	J	1.0	0.32	ug/L			12/18/20 15:24	1
n-Butylbenzene	0.98		0.50	0.29	ug/L			12/18/20 15:24	1
N-Propylbenzene	3.3		0.50	0.39	ug/L			12/18/20 15:24	1
p-Isopropyltoluene	2.3		0.50	0.28	ug/L			12/18/20 15:24	1
sec-Butylbenzene	3.4		0.50	0.34	ug/L			12/18/20 15:24	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 15:24	1
tert-Butylbenzene	0.97		0.50	0.34	ug/L			12/18/20 15:24	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 15:24	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 15:24	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 15:24	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 15:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		80 - 128		12/18/20 15:24	1
4-Bromofluorobenzene (Surr)	90		68 - 120		12/18/20 15:24	1
Dibromofluoromethane (Surr)	104		80 - 127		12/18/20 15:24	1
Toluene-d8 (Surr)	101		80 - 120		12/18/20 15:24	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		12/21/20 05:08	12/23/20 19:10	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 19:10	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 19:10	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/21/20 05:08	12/23/20 19:10	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 19:10	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 19:10	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 19:10	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		12/21/20 05:08	12/23/20 19:10	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 19:10	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 19:10	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 19:10	1
Fluorene	0.40		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 19:10	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 19:10	1
1-Methylnaphthalene	2.8	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 19:10	1
2-Methylnaphthalene	0.30		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 19:10	1
Naphthalene	0.58		0.19	0.078	ug/L		12/21/20 05:08	12/23/20 19:10	1
Phenanthrene	0.20		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 19:10	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	70		33 - 144	12/21/20 05:08	12/23/20 19:10	1
Nitrobenzene-d5 (Surr)	59		28 - 139	12/21/20 05:08	12/23/20 19:10	1
p-Terphenyl-d14 (Surr)	74		23 - 160	12/21/20 05:08	12/23/20 19:10	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-19

Lab Sample ID: 570-46505-1

Date Collected: 12/15/20 08:56

Matrix: Water

Date Received: 12/17/20 10:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:41	1
Barium	0.0860	F1	0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:41	1
Cadmium	0.00321	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:41	1
Chromium	0.0451	J	0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:41	1
Lead	0.0198	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:41	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:41	1
Silver	ND	F1	0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:41	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:45	01/04/21 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO ₃)	415		5.00	1.69	mg/L			12/28/20 15:52	1
Total Dissolved Solids	635		1.00	0.870	mg/L			12/21/20 10:11	1
Chloride	40.9		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-30

Lab Sample ID: 570-46505-2

Date Collected: 12/15/20 10:02

Matrix: Water

Date Received: 12/17/20 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			12/18/20 15:53	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 15:53	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 15:53	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 15:53	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 15:53	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 15:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 15:53	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 15:53	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 15:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 15:53	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 15:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 15:53	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 15:53	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 15:53	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 15:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 15:53	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 15:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 15:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 15:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 15:53	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 15:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 15:53	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 15:53	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 15:53	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 15:53	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 15:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-30

Lab Sample ID: 570-46505-2

Date Collected: 12/15/20 10:02

Matrix: Water

Date Received: 12/17/20 10:40

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			12/18/20 15:53	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 15:53	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 15:53	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 15:53	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 15:53	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 15:53	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 15:53	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 15:53	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 15:53	1
Acetone	ND	+	8.0	4.0	ug/L			12/18/20 15:53	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 15:53	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 15:53	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 15:53	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 15:53	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 15:53	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 15:53	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 15:53	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 15:53	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 15:53	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 15:53	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 15:53	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 15:53	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 15:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 15:53	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 15:53	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 15:53	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 15:53	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 15:53	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 15:53	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 15:53	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 15:53	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 15:53	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 15:53	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 15:53	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 15:53	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 15:53	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 15:53	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 15:53	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 15:53	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 15:53	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		80 - 128		12/18/20 15:53	1
4-Bromofluorobenzene (Surr)	87		68 - 120		12/18/20 15:53	1
Dibromofluoromethane (Surr)	98		80 - 127		12/18/20 15:53	1
Toluene-d8 (Surr)	100		80 - 120		12/18/20 15:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-30

Lab Sample ID: 570-46505-2

Date Collected: 12/15/20 10:02

Matrix: Water

Date Received: 12/17/20 10:40

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		12/21/20 05:08	12/23/20 19:30	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/21/20 05:08	12/23/20 19:30	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 19:30	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/21/20 05:08	12/23/20 19:30	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/21/20 05:08	12/23/20 19:30	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 19:30	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 19:30	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 19:30	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 19:30	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 19:30	1
Fluoranthene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 19:30	1
Fluorene	ND		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 19:30	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 19:30	1
1-Methylnaphthalene	ND	*1	0.19	0.070	ug/L		12/21/20 05:08	12/23/20 19:30	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 19:30	1
Naphthalene	ND		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 19:30	1
Phenanthrene	ND		0.19	0.070	ug/L		12/21/20 05:08	12/23/20 19:30	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	56		33 - 144	12/21/20 05:08	12/23/20 19:30	1
Nitrobenzene-d5 (Surr)	62		28 - 139	12/21/20 05:08	12/23/20 19:30	1
p-Terphenyl-d14 (Surr)	73		23 - 160	12/21/20 05:08	12/23/20 19:30	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:47	1
Barium	0.0538		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:47	1
Cadmium	0.00263	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:47	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:47	1
Lead	0.0232	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:47	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:47	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:45	01/04/21 11:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	165		5.00	1.69	mg/L			12/28/20 16:05	1
Total Dissolved Solids	625		1.00	0.870	mg/L			12/21/20 10:11	1
Chloride	194		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-29

Lab Sample ID: 570-46505-3

Date Collected: 12/15/20 11:06

Matrix: Water

Date Received: 12/17/20 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			12/18/20 16:23	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-29

Lab Sample ID: 570-46505-3

Date Collected: 12/15/20 11:06

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.33	ug/L			12/18/20 16:23	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 16:23	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 16:23	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 16:23	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 16:23	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 16:23	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 16:23	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 16:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 16:23	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 16:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 16:23	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 16:23	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 16:23	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 16:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 16:23	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 16:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 16:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 16:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 16:23	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 16:23	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 16:23	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 16:23	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 16:23	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 16:23	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 16:23	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/18/20 16:23	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 16:23	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 16:23	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 16:23	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 16:23	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 16:23	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 16:23	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 16:23	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 16:23	1
Acetone	ND	+	8.0	4.0	ug/L			12/18/20 16:23	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 16:23	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 16:23	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 16:23	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 16:23	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 16:23	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 16:23	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 16:23	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 16:23	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 16:23	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 16:23	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 16:23	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 16:23	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 16:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 16:23	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-29

Lab Sample ID: 570-46505-3

Date Collected: 12/15/20 11:06

Matrix: Water

Date Received: 12/17/20 10:40

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			12/18/20 16:23	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 16:23	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 16:23	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 16:23	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 16:23	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 16:23	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 16:23	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 16:23	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 16:23	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 16:23	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 16:23	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 16:23	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 16:23	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 16:23	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 16:23	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 16:23	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 16:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	99		80 - 128		12/18/20 16:23	1
4-Bromofluorobenzene (Surr)	87		68 - 120		12/18/20 16:23	1
Dibromofluoromethane (Surr)	100		80 - 127		12/18/20 16:23	1
Toluene-d8 (Surr)	100		80 - 120		12/18/20 16:23	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		12/21/20 05:08	12/23/20 19:51	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/21/20 05:08	12/23/20 19:51	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 19:51	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/21/20 05:08	12/23/20 19:51	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/21/20 05:08	12/23/20 19:51	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 19:51	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 19:51	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 19:51	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 19:51	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 19:51	1
Fluoranthene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 19:51	1
Fluorene	ND		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 19:51	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 19:51	1
1-Methylnaphthalene	ND	*1	0.19	0.070	ug/L		12/21/20 05:08	12/23/20 19:51	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 19:51	1
Naphthalene	ND		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 19:51	1
Phenanthrene	ND		0.19	0.070	ug/L		12/21/20 05:08	12/23/20 19:51	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	76		33 - 144	12/21/20 05:08	12/23/20 19:51	1
Nitrobenzene-d5 (Surr)	70		28 - 139	12/21/20 05:08	12/23/20 19:51	1
p-Terphenyl-d14 (Surr)	101		23 - 160	12/21/20 05:08	12/23/20 19:51	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-29

Lab Sample ID: 570-46505-3

Date Collected: 12/15/20 11:06

Matrix: Water

Date Received: 12/17/20 10:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:50	1
Barium	0.0382		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:50	1
Cadmium	0.00256	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:50	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:50	1
Lead	0.0213	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:50	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:50	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:45	01/04/21 11:50	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			12/28/20 16:11	1
Total Dissolved Solids	660		1.00	0.870	mg/L			12/21/20 10:11	1
Chloride	180		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-28

Lab Sample ID: 570-46505-4

Date Collected: 12/15/20 12:21

Matrix: Water

Date Received: 12/17/20 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			12/18/20 16:53	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 16:53	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 16:53	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 16:53	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 16:53	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 16:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 16:53	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 16:53	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 16:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 16:53	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 16:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 16:53	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 16:53	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 16:53	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 16:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 16:53	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 16:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 16:53	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 16:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 16:53	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 16:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 16:53	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 16:53	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 16:53	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 16:53	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 16:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-28

Lab Sample ID: 570-46505-4

Date Collected: 12/15/20 12:21

Matrix: Water

Date Received: 12/17/20 10:40

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			12/18/20 16:53	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 16:53	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 16:53	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 16:53	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 16:53	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 16:53	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 16:53	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 16:53	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 16:53	1
Acetone	ND	+	8.0	4.0	ug/L			12/18/20 16:53	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 16:53	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 16:53	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 16:53	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 16:53	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 16:53	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 16:53	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 16:53	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 16:53	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 16:53	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 16:53	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 16:53	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 16:53	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 16:53	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 16:53	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 16:53	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 16:53	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 16:53	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 16:53	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 16:53	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 16:53	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 16:53	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 16:53	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 16:53	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 16:53	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 16:53	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 16:53	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 16:53	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 16:53	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 16:53	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 16:53	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 16:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		12/18/20 16:53	1
4-Bromofluorobenzene (Surr)	88		68 - 120		12/18/20 16:53	1
Dibromofluoromethane (Surr)	99		80 - 127		12/18/20 16:53	1
Toluene-d8 (Surr)	97		80 - 120		12/18/20 16:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-28

Lab Sample ID: 570-46505-4

Date Collected: 12/15/20 12:21

Matrix: Water

Date Received: 12/17/20 10:40

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		12/21/20 05:08	12/23/20 20:12	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 20:12	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 20:12	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/21/20 05:08	12/23/20 20:12	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 20:12	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 20:12	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 20:12	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 20:12	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 20:12	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 20:12	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 20:12	1
Fluorene	ND		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 20:12	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 20:12	1
1-Methylnaphthalene	ND	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 20:12	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 20:12	1
Naphthalene	ND		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 20:12	1
Phenanthrene	ND		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 20:12	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 20:12	1

Surrogate

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	107		33 - 144	12/21/20 05:08	12/23/20 20:12	1
Nitrobenzene-d5 (Surr)	67		28 - 139	12/21/20 05:08	12/23/20 20:12	1
p-Terphenyl-d14 (Surr)	117		23 - 160	12/21/20 05:08	12/23/20 20:12	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:52	1
Barium	0.0479		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:52	1
Cadmium	0.00280	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:52	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:52	1
Lead	0.0334	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:52	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:52	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:52	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:45	01/04/21 12:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	150		5.00	1.69	mg/L			12/28/20 16:18	1
Total Dissolved Solids	1150		1.00	0.870	mg/L			12/21/20 10:11	1
Chloride	209		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-27

Lab Sample ID: 570-46505-5

Date Collected: 12/15/20 13:11

Matrix: Water

Date Received: 12/17/20 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			12/18/20 17:22	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-27

Lab Sample ID: 570-46505-5

Date Collected: 12/15/20 13:11

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.33	ug/L			12/18/20 17:22	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 17:22	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 17:22	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 17:22	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 17:22	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 17:22	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 17:22	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 17:22	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 17:22	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 17:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 17:22	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 17:22	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 17:22	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 17:22	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 17:22	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 17:22	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 17:22	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 17:22	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 17:22	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 17:22	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 17:22	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 17:22	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 17:22	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 17:22	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 17:22	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/18/20 17:22	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 17:22	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 17:22	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 17:22	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 17:22	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 17:22	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 17:22	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 17:22	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 17:22	1
Acetone	ND	+	8.0	4.0	ug/L			12/18/20 17:22	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 17:22	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 17:22	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 17:22	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 17:22	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 17:22	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 17:22	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 17:22	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 17:22	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 17:22	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 17:22	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 17:22	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 17:22	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 17:22	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 17:22	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-27

Lab Sample ID: 570-46505-5

Date Collected: 12/15/20 13:11

Matrix: Water

Date Received: 12/17/20 10:40

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			12/18/20 17:22	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 17:22	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 17:22	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 17:22	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 17:22	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 17:22	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 17:22	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 17:22	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 17:22	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 17:22	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 17:22	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 17:22	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 17:22	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 17:22	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 17:22	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 17:22	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		80 - 128		12/18/20 17:22	1
4-Bromofluorobenzene (Surr)	86		68 - 120		12/18/20 17:22	1
Dibromofluoromethane (Surr)	98		80 - 127		12/18/20 17:22	1
Toluene-d8 (Surr)	99		80 - 120		12/18/20 17:22	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		12/21/20 05:08	12/23/20 20:32	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 20:32	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 20:32	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/21/20 05:08	12/23/20 20:32	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 20:32	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 20:32	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 20:32	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 20:32	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 20:32	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 20:32	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 20:32	1
Fluorene	ND		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 20:32	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 20:32	1
1-Methylnaphthalene	ND	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 20:32	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 20:32	1
Naphthalene	ND		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 20:32	1
Phenanthrene	ND		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 20:32	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 20:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	72		33 - 144	12/21/20 05:08	12/23/20 20:32	1
Nitrobenzene-d5 (Surr)	64		28 - 139	12/21/20 05:08	12/23/20 20:32	1
p-Terphenyl-d14 (Surr)	71		23 - 160	12/21/20 05:08	12/23/20 20:32	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: W-MW-27

Lab Sample ID: 570-46505-5

Date Collected: 12/15/20 13:11

Matrix: Water

Date Received: 12/17/20 10:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:54	1
Barium	0.0471		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:54	1
Cadmium	0.00332	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:54	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:54	1
Lead	0.0287	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:54	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:54	1
Silver	0.00309	J B	0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:45	01/04/21 12:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO ₃)	172		5.00	1.69	mg/L			12/28/20 16:24	1
Total Dissolved Solids	945		1.00	0.870	mg/L			12/21/20 10:11	1
Chloride	306		10.0	2.97	mg/L			12/23/20 19:01	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 570-46505-6

Date Collected: 12/15/20 00:00

Matrix: Water

Date Received: 12/17/20 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			12/18/20 14:54	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 14:54	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 14:54	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 14:54	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 14:54	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 14:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 14:54	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 14:54	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 14:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 14:54	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 14:54	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 14:54	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 14:54	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 14:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 14:54	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 14:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 14:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 14:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 14:54	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 14:54	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 14:54	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 14:54	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 14:54	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 14:54	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 14:54	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46505-1

Client Sample ID: TRIP BLANK

Lab Sample ID: 570-46505-6

Date Collected: 12/15/20 00:00

Matrix: Water

Date Received: 12/17/20 10:40

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			12/18/20 14:54	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 14:54	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 14:54	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 14:54	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 14:54	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 14:54	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 14:54	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 14:54	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 14:54	1
Acetone	ND	+	8.0	4.0	ug/L			12/18/20 14:54	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 14:54	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 14:54	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 14:54	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 14:54	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 14:54	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 14:54	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 14:54	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 14:54	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 14:54	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 14:54	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 14:54	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 14:54	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 14:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 14:54	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 14:54	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 14:54	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 14:54	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 14:54	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 14:54	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 14:54	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 14:54	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 14:54	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 14:54	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 14:54	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 14:54	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 14:54	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 14:54	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 14:54	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 14:54	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 14:54	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		80 - 128		12/18/20 14:54	1
4-Bromofluorobenzene (Surr)	88		68 - 120		12/18/20 14:54	1
Dibromofluoromethane (Surr)	102		80 - 127		12/18/20 14:54	1
Toluene-d8 (Surr)	97		80 - 120		12/18/20 14:54	1

Eurofins Calscience LLC

Surrogate Summary

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

Job ID: 570-46505-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-46505-1	W-MW-19	97	90	104	101
570-46505-2	W-MW-30	98	87	98	100
570-46505-3	W-MW-29	99	87	100	100
570-46505-4	W-MW-28	101	88	99	97
570-46505-5	W-MW-27	101	86	98	99
570-46505-6	TRIP BLANK	103	88	102	97
LCS 570-117199/4	Lab Control Sample	103	94	101	100
LCSD 570-117199/5	Lab Control Sample Dup	101	94	98	102
MB 570-117199/8	Method Blank	104	86	100	101

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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (33-144)	NBZ (28-139)	TPHd14 (23-160)
570-46505-1	W-MW-19	70	59	74
570-46505-2	W-MW-30	56	62	73
570-46505-3	W-MW-29	76	70	101
570-46505-4	W-MW-28	107	67	117
570-46505-5	W-MW-27	72	64	71
LCS 570-117680/2-A	Lab Control Sample	86	62	68
LCSD 570-117680/3-A	Lab Control Sample Dup	67	78	75
MB 570-117680/1-A	Method Blank	84	68	80

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: 570-46505-1

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

Lab Sample ID: MB 570-117199/8

Matrix: Water

Analysis Batch: 117199

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			12/18/20 11:56	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 11:56	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 11:56	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 11:56	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 11:56	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 11:56	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 11:56	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 11:56	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 11:56	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 11:56	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 11:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 11:56	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 11:56	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 11:56	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 11:56	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 11:56	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 11:56	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 11:56	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 11:56	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 11:56	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 11:56	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 11:56	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 11:56	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 11:56	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 11:56	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 11:56	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/18/20 11:56	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 11:56	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 11:56	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 11:56	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 11:56	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 11:56	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 11:56	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 11:56	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 11:56	1
Acetone	ND		8.0	4.0	ug/L			12/18/20 11:56	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 11:56	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 11:56	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 11:56	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 11:56	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 11:56	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 11:56	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 11:56	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 11:56	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 11:56	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 11:56	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 11:56	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 11:56	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

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

Lab Sample ID: MB 570-117199/8

Matrix: Water

Analysis Batch: 117199

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			12/18/20 11:56	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 11:56	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 11:56	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 11:56	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 11:56	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 11:56	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 11:56	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 11:56	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 11:56	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 11:56	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 11:56	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 11:56	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 11:56	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 11:56	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 11:56	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 11:56	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 11:56	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 11:56	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 11:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 128		12/18/20 11:56	1
4-Bromofluorobenzene (Surr)	86		68 - 120		12/18/20 11:56	1
Dibromofluoromethane (Surr)	100		80 - 127		12/18/20 11:56	1
Toluene-d8 (Surr)	101		80 - 120		12/18/20 11:56	1

Lab Sample ID: LCS 570-117199/4

Matrix: Water

Analysis Batch: 117199

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	11.01		ug/L		110	80 - 120
Toluene	10.0	10.72		ug/L		107	80 - 120
Ethylbenzene	10.0	10.43		ug/L		104	80 - 120
o-Xylene	10.0	10.43		ug/L		104	80 - 120
m,p-Xylene	20.0	21.17		ug/L		106	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	9.401		ug/L		94	70 - 121
1,1-Dichloroethene	10.0	10.01		ug/L		100	74 - 128
1,2-Dichlorobenzene	10.0	10.77		ug/L		108	80 - 120
1,2-Dichloroethane	10.0	10.50		ug/L		105	80 - 123
Carbon tetrachloride	10.0	9.316		ug/L		93	75 - 142
Chlorobenzene	10.0	10.00		ug/L		100	80 - 120
1,2-Dibromoethane	10.0	10.53		ug/L		105	80 - 120
Hexachloro-1,3-butadiene	10.0	9.615		ug/L		96	80 - 130
Trichloroethene	10.0	11.04		ug/L		110	80 - 120
Vinyl chloride	10.0	9.715		ug/L		97	72 - 126

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

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

Lab Sample ID: LCS 570-117199/4

Matrix: Water

Analysis Batch: 117199

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		80 - 128
4-Bromofluorobenzene (Surr)	94		68 - 120
Dibromofluoromethane (Surr)	101		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-117199/5

Matrix: Water

Analysis Batch: 117199

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	10.0	10.70		ug/L		107	80 - 120	3	20
Toluene	10.0	10.68		ug/L		107	80 - 120	0	20
Ethylbenzene	10.0	9.945		ug/L		99	80 - 120	5	20
o-Xylene	10.0	10.08		ug/L		101	80 - 120	3	20
m,p-Xylene	20.0	20.52		ug/L		103	80 - 120	3	20
Methyl-t-Butyl Ether (MTBE)	10.0	9.344		ug/L		93	70 - 121	1	20
1,1-Dichloroethene	10.0	9.526		ug/L		95	74 - 128	5	20
1,2-Dichlorobenzene	10.0	10.47		ug/L		105	80 - 120	3	20
1,2-Dichloroethane	10.0	10.59		ug/L		106	80 - 123	1	20
Carbon tetrachloride	10.0	9.015		ug/L		90	75 - 142	3	20
Chlorobenzene	10.0	9.622		ug/L		96	80 - 120	4	20
1,2-Dibromoethane	10.0	10.21		ug/L		102	80 - 120	3	20
Hexachloro-1,3-butadiene	10.0	9.088		ug/L		91	80 - 130	6	20
Trichloroethene	10.0	11.01		ug/L		110	80 - 120	0	20
Vinyl chloride	10.0	9.473		ug/L		95	72 - 126	3	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		80 - 128
4-Bromofluorobenzene (Surr)	94		68 - 120
Dibromofluoromethane (Surr)	98		80 - 127
Toluene-d8 (Surr)	102		80 - 120

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

Lab Sample ID: MB 570-117680/1-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/21/20 05:08	12/23/20 14:28	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/21/20 05:08	12/23/20 14:28	1
Anthracene	ND		0.20	0.059	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/21/20 05:08	12/23/20 14:28	1
Chrysene	ND		0.20	0.059	ug/L		12/21/20 05:08	12/23/20 14:28	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

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

Lab Sample ID: MB 570-117680/1-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/21/20 05:08	12/23/20 14:28	1
Fluoranthene	ND		0.20	0.068	ug/L		12/21/20 05:08	12/23/20 14:28	1
Fluorene	ND		0.20	0.075	ug/L		12/21/20 05:08	12/23/20 14:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/21/20 05:08	12/23/20 14:28	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/21/20 05:08	12/23/20 14:28	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/21/20 05:08	12/23/20 14:28	1
Naphthalene	ND		0.20	0.083	ug/L		12/21/20 05:08	12/23/20 14:28	1
Phenanthrene	ND		0.20	0.073	ug/L		12/21/20 05:08	12/23/20 14:28	1
Pyrene	ND		0.20	0.066	ug/L		12/21/20 05:08	12/23/20 14:28	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		33 - 144	12/21/20 05:08	12/23/20 14:28	1
Nitrobenzene-d5 (Surr)	68		28 - 139	12/21/20 05:08	12/23/20 14:28	1
p-Terphenyl-d14 (Surr)	80		23 - 160	12/21/20 05:08	12/23/20 14:28	1

Lab Sample ID: LCS 570-117680/2-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Acenaphthene	2.00	1.542		ug/L		77	55 - 121
Acenaphthylene	2.00	1.778		ug/L		89	33 - 145
Anthracene	2.00	1.631		ug/L		82	27 - 133
Benzo[a]anthracene	2.00	1.540		ug/L		77	33 - 143
Benzo[a]pyrene	2.00	1.410		ug/L		70	17 - 163
Benzo[b]fluoranthene	2.00	1.446		ug/L		72	24 - 159
Benzo[g,h,i]perylene	2.00	0.7601		ug/L		38	25 - 157
Benzo[k]fluoranthene	2.00	1.358		ug/L		68	24 - 159
Chrysene	2.00	1.425		ug/L		71	17 - 168
Dibenz(a,h)anthracene	2.00	0.6705		ug/L		34	25 - 175
Fluoranthene	2.00	1.527		ug/L		76	26 - 137
Fluorene	2.00	1.732		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	0.7812		ug/L		39	25 - 175
1-Methylnaphthalene	2.00	1.319		ug/L		66	20 - 140
2-Methylnaphthalene	2.00	1.456		ug/L		73	21 - 140
Naphthalene	2.00	1.444		ug/L		72	21 - 133
Phenanthrene	2.00	1.399		ug/L		70	54 - 120
Pyrene	2.00	1.426		ug/L		71	45 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		33 - 144
Nitrobenzene-d5 (Surr)	62		28 - 139
p-Terphenyl-d14 (Surr)	68		23 - 160

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

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

Lab Sample ID: LCSD 570-117680/3-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.00	1.582		ug/L		79	55 - 121	3	25
Acenaphthylene	2.00	1.469		ug/L		73	33 - 145	19	25
Anthracene	2.00	1.791		ug/L		90	27 - 133	9	25
Benzo[a]anthracene	2.00	1.722		ug/L		86	33 - 143	11	25
Benzo[a]pyrene	2.00	1.561		ug/L		78	17 - 163	10	25
Benzo[b]fluoranthene	2.00	1.556		ug/L		78	24 - 159	7	25
Benzo[g,h,i]perylene	2.00	0.8511		ug/L		43	25 - 157	11	25
Benzo[k]fluoranthene	2.00	1.478		ug/L		74	24 - 159	9	25
Chrysene	2.00	1.565		ug/L		78	17 - 168	9	25
Dibenz(a,h)anthracene	2.00	0.7461		ug/L		37	25 - 175	11	25
Fluoranthene	2.00	1.695		ug/L		85	26 - 137	10	25
Fluorene	2.00	1.651		ug/L		83	59 - 121	5	25
Indeno[1,2,3-cd]pyrene	2.00	0.8702		ug/L		44	25 - 175	11	25
1-Methylnaphthalene	2.00	1.754	*1	ug/L		88	20 - 140	28	25
2-Methylnaphthalene	2.00	1.653		ug/L		83	21 - 140	13	25
Naphthalene	2.00	1.655		ug/L		83	21 - 133	14	25
Phenanthrene	2.00	1.542		ug/L		77	54 - 120	10	25
Pyrene	2.00	1.564		ug/L		78	45 - 129	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	67		33 - 144
Nitrobenzene-d5 (Surr)	78		28 - 139
p-Terphenyl-d14 (Surr)	75		23 - 160

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-119751/1-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:33	1
Barium	ND		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:33	1
Cadmium	ND		0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:33	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:33	1
Lead	ND		0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:33	1
Selenium	0.02753	J	0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:33	1
Silver	0.003734	J	0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:33	1

Lab Sample ID: LCS 570-119751/2-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4621		mg/L		92	80 - 120
Barium	0.500	0.5330		mg/L		107	80 - 120
Cadmium	0.500	0.4817		mg/L		96	80 - 120
Chromium	0.500	0.4895		mg/L		98	80 - 120
Lead	0.500	0.5005		mg/L		100	80 - 120

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

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

Lab Sample ID: LCS 570-119751/2-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Selenium	0.500	0.4711		mg/L		94	80 - 120
Silver	0.250	0.2415		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-119751/3-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.500	0.4620		mg/L		92	80 - 120	0	20
Barium	0.500	0.5357		mg/L		107	80 - 120	0	20
Cadmium	0.500	0.4839		mg/L		97	80 - 120	0	20
Chromium	0.500	0.4887		mg/L		98	80 - 120	0	20
Lead	0.500	0.5009		mg/L		100	80 - 120	0	20
Selenium	0.500	0.4994		mg/L		100	80 - 120	6	20
Silver	0.250	0.2426		mg/L		97	80 - 120	0	20

Lab Sample ID: 570-46505-1 MS

Matrix: Water

Analysis Batch: 120135

Client Sample ID: W-MW-19

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		0.500	0.5184		mg/L		104	80 - 140
Barium	0.0860	F1	0.500	0.7876	F1	mg/L		140	87 - 123
Cadmium	0.00321	J	0.500	0.5095		mg/L		101	82 - 124
Chromium	0.0451	J	0.500	0.5470		mg/L		100	86 - 122
Lead	0.0198	J	0.500	0.5357		mg/L		103	84 - 120
Selenium	ND		0.500	0.4512		mg/L		90	79 - 127
Silver	ND	F1	0.250	0.05325	F1	mg/L		21	86 - 128

Lab Sample ID: 570-46505-1 MSD

Matrix: Water

Analysis Batch: 120135

Client Sample ID: W-MW-19

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5363		mg/L		107	80 - 140	3	11
Barium	0.0860	F1	0.500	0.7867	F1	mg/L		140	87 - 123	0	6
Cadmium	0.00321	J	0.500	0.5098		mg/L		101	82 - 124	0	7
Chromium	0.0451	J	0.500	0.5485		mg/L		101	86 - 122	0	8
Lead	0.0198	J	0.500	0.5302		mg/L		102	84 - 120	1	7
Selenium	ND		0.500	0.4382		mg/L		88	79 - 127	3	9
Silver	ND	F1	0.250	0.05387	F1	mg/L		22	86 - 128	1	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-119750/1-A

Matrix: Water

Analysis Batch: 120077

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119750

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:45	01/04/21 11:00	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: LCS 570-119750/2-A

Matrix: Water

Analysis Batch: 120077

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119750

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.008607		mg/L		86	80 - 120

Lab Sample ID: LCSD 570-119750/3-A

Matrix: Water

Analysis Batch: 120077

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119750

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.008576		mg/L		86	80 - 120	0	20

Lab Sample ID: 570-46541-G-1-C MS

Matrix: Water

Analysis Batch: 120077

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119750

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.000256	J	0.0200	0.01699		mg/L		84	55 - 133

Lab Sample ID: 570-46541-G-1-D MSD

Matrix: Water

Analysis Batch: 120077

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119750

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.000256	J	0.0200	0.01608		mg/L		79	55 - 133	6	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-119016/10

Matrix: Water

Analysis Batch: 119016

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			12/28/20 15:36	1

Lab Sample ID: LCS 570-119016/8

Matrix: Water

Analysis Batch: 119016

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	101.4		mg/L		101	80 - 120

Lab Sample ID: LCSD 570-119016/9

Matrix: Water

Analysis Batch: 119016

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	84.68		mg/L		85	80 - 120	18	20

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 570-46505-1 DU

Matrix: Water

Analysis Batch: 119016

Client Sample ID: W-MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	415		416.4		mg/L		0.4	25

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

Lab Sample ID: MB 570-117803/1

Matrix: Water

Analysis Batch: 117803

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			12/21/20 10:11	1

Lab Sample ID: LCS 570-117803/2

Matrix: Water

Analysis Batch: 117803

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	97.50		mg/L		98	84 - 108

Lab Sample ID: LCSD 570-117803/3

Matrix: Water

Analysis Batch: 117803

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	100.0		mg/L		100	84 - 108	3	10

Lab Sample ID: 570-46543-A-2 DU

Matrix: Water

Analysis Batch: 117803

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	1790		1780		mg/L		0.6	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-118616/1

Matrix: Water

Analysis Batch: 118616

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.594	mg/L			12/23/20 19:01	1

Lab Sample ID: LCS 570-118616/2

Matrix: Water

Analysis Batch: 118616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	105.5		mg/L		106	91 - 114

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46505-1

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

Lab Sample ID: LCSD 570-118616/3

Matrix: Water

Analysis Batch: 118616

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	105.5		mg/L		106	91 - 114	0	4

Lab Sample ID: 570-46505-1 MS

Matrix: Water

Analysis Batch: 118616

Client Sample ID: W-MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	40.9		100	145.6		mg/L		105	91 - 115		

Lab Sample ID: 570-46505-1 MSD

Matrix: Water

Analysis Batch: 118616

Client Sample ID: W-MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	40.9		100	147.1		mg/L		106	91 - 115	1	4

Lab Sample ID: 570-46505-1 DU

Matrix: Water

Analysis Batch: 118616

Client Sample ID: W-MW-19

Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	40.9			39.87		mg/L				2	25

QC Association Summary

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

Job ID: 570-46505-1

GC/MS VOA

Analysis Batch: 117199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	8260B	
570-46505-2	W-MW-30	Total/NA	Water	8260B	
570-46505-3	W-MW-29	Total/NA	Water	8260B	
570-46505-4	W-MW-28	Total/NA	Water	8260B	
570-46505-5	W-MW-27	Total/NA	Water	8260B	
570-46505-6	TRIP BLANK	Total/NA	Water	8260B	
MB 570-117199/8	Method Blank	Total/NA	Water	8260B	
LCS 570-117199/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-117199/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 117680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	3510C	
570-46505-2	W-MW-30	Total/NA	Water	3510C	
570-46505-3	W-MW-29	Total/NA	Water	3510C	
570-46505-4	W-MW-28	Total/NA	Water	3510C	
570-46505-5	W-MW-27	Total/NA	Water	3510C	
MB 570-117680/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-117680/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-117680/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 118210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-117680/1-A	Method Blank	Total/NA	Water	8270C SIM	117680
LCS 570-117680/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	117680
LCSD 570-117680/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	117680

Analysis Batch: 118559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	8270C SIM	117680
570-46505-2	W-MW-30	Total/NA	Water	8270C SIM	117680
570-46505-3	W-MW-29	Total/NA	Water	8270C SIM	117680
570-46505-4	W-MW-28	Total/NA	Water	8270C SIM	117680
570-46505-5	W-MW-27	Total/NA	Water	8270C SIM	117680

Metals

Prep Batch: 119750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	7470A	
570-46505-2	W-MW-30	Total/NA	Water	7470A	
570-46505-3	W-MW-29	Total/NA	Water	7470A	
570-46505-4	W-MW-28	Total/NA	Water	7470A	
570-46505-5	W-MW-27	Total/NA	Water	7470A	
MB 570-119750/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-119750/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-119750/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-46541-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	
570-46541-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-46505-1

Metals

Prep Batch: 119751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	3010A	
570-46505-2	W-MW-30	Total/NA	Water	3010A	
570-46505-3	W-MW-29	Total/NA	Water	3010A	
570-46505-4	W-MW-28	Total/NA	Water	3010A	
570-46505-5	W-MW-27	Total/NA	Water	3010A	
MB 570-119751/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-119751/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-119751/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-46505-1 MS	W-MW-19	Total/NA	Water	3010A	
570-46505-1 MSD	W-MW-19	Total/NA	Water	3010A	

Analysis Batch: 120077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	7470A	119750
570-46505-2	W-MW-30	Total/NA	Water	7470A	119750
570-46505-3	W-MW-29	Total/NA	Water	7470A	119750
570-46505-4	W-MW-28	Total/NA	Water	7470A	119750
570-46505-5	W-MW-27	Total/NA	Water	7470A	119750
MB 570-119750/1-A	Method Blank	Total/NA	Water	7470A	119750
LCS 570-119750/2-A	Lab Control Sample	Total/NA	Water	7470A	119750
LCSD 570-119750/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	119750
570-46541-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	119750
570-46541-G-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	119750

Analysis Batch: 120135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	6010B	119751
570-46505-2	W-MW-30	Total/NA	Water	6010B	119751
570-46505-3	W-MW-29	Total/NA	Water	6010B	119751
570-46505-4	W-MW-28	Total/NA	Water	6010B	119751
570-46505-5	W-MW-27	Total/NA	Water	6010B	119751
MB 570-119751/1-A	Method Blank	Total/NA	Water	6010B	119751
LCS 570-119751/2-A	Lab Control Sample	Total/NA	Water	6010B	119751
LCSD 570-119751/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	119751
570-46505-1 MS	W-MW-19	Total/NA	Water	6010B	119751
570-46505-1 MSD	W-MW-19	Total/NA	Water	6010B	119751

General Chemistry

Analysis Batch: 117803

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	SM 2540C	
570-46505-2	W-MW-30	Total/NA	Water	SM 2540C	
570-46505-3	W-MW-29	Total/NA	Water	SM 2540C	
570-46505-4	W-MW-28	Total/NA	Water	SM 2540C	
570-46505-5	W-MW-27	Total/NA	Water	SM 2540C	
MB 570-117803/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-117803/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-117803/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-46543-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-46505-1

General Chemistry

Analysis Batch: 118616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	SM 4500 Cl- C	
570-46505-2	W-MW-30	Total/NA	Water	SM 4500 Cl- C	
570-46505-3	W-MW-29	Total/NA	Water	SM 4500 Cl- C	
570-46505-4	W-MW-28	Total/NA	Water	SM 4500 Cl- C	
570-46505-5	W-MW-27	Total/NA	Water	SM 4500 Cl- C	
MB 570-118616/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-118616/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-118616/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-46505-1 MS	W-MW-19	Total/NA	Water	SM 4500 Cl- C	
570-46505-1 MSD	W-MW-19	Total/NA	Water	SM 4500 Cl- C	
570-46505-1 DU	W-MW-19	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 119016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-1	W-MW-19	Total/NA	Water	SM 2320B	
570-46505-2	W-MW-30	Total/NA	Water	SM 2320B	
570-46505-3	W-MW-29	Total/NA	Water	SM 2320B	
570-46505-4	W-MW-28	Total/NA	Water	SM 2320B	
570-46505-5	W-MW-27	Total/NA	Water	SM 2320B	
MB 570-119016/10	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-119016/8	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-119016/9	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-46505-1 DU	W-MW-19	Total/NA	Water	SM 2320B	

Lab Chronicle

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

Job ID: 570-46505-1

Client Sample ID: W-MW-19

Lab Sample ID: 570-46505-1

Date Collected: 12/15/20 08:56

Matrix: Water

Date Received: 12/17/20 10:40

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	117199	12/18/20 15:24	Q8PV	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			1054.2 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 19:10	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 09:41	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119750	12/31/20 10:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120077	01/04/21 11:47	MD3A	ECL 1
		Instrument ID: HG8								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 15:52	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	117803	12/21/20 10:11	ULIN	ECL 1
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Client Sample ID: W-MW-30

Lab Sample ID: 570-46505-2

Date Collected: 12/15/20 10:02

Matrix: Water

Date Received: 12/17/20 10:40

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	117199	12/18/20 15:53	Q8PV	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			1049.6 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 19:30	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 09:47	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119750	12/31/20 10:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120077	01/04/21 11:48	MD3A	ECL 1
		Instrument ID: HG8								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:05	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	117803	12/21/20 10:11	ULIN	ECL 1
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-46505-1

Client Sample ID: W-MW-29

Lab Sample ID: 570-46505-3

Date Collected: 12/15/20 11:06

Matrix: Water

Date Received: 12/17/20 10:40

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	117199	12/18/20 16:23	Q8PV	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			1049.5 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 19:51	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 09:50	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119750	12/31/20 10:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120077	01/04/21 11:50	MD3A	ECL 1
		Instrument ID: HG8								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:11	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	117803	12/21/20 10:11	ULIN	ECL 1
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Client Sample ID: W-MW-28

Lab Sample ID: 570-46505-4

Date Collected: 12/15/20 12:21

Matrix: Water

Date Received: 12/17/20 10:40

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	117199	12/18/20 16:53	Q8PV	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			1053 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 20:12	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 09:52	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119750	12/31/20 10:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120077	01/04/21 12:14	MD3A	ECL 1
		Instrument ID: HG8								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:18	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	117803	12/21/20 10:11	ULIN	ECL 1
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-46505-1

Client Sample ID: W-MW-27

Lab Sample ID: 570-46505-5

Date Collected: 12/15/20 13:11

Matrix: Water

Date Received: 12/17/20 10:40

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	117199	12/18/20 17:22	Q8PV	ECL 2
		Instrument ID: GCMSL								
Total/NA	Prep	3510C			1052.2 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 20:32	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 09:54	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119750	12/31/20 10:45	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120077	01/04/21 12:16	MD3A	ECL 1
		Instrument ID: HG8								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:24	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	117803	12/21/20 10:11	ULIN	ECL 1
		Instrument ID: NOEQUIP								
Total/NA	Analysis	SM 4500 CI- C		1	10 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Client Sample ID: TRIP BLANK

Lab Sample ID: 570-46505-6

Date Collected: 12/15/20 00:00

Matrix: Water

Date Received: 12/17/20 10:40

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	117199	12/18/20 14:54	Q8PV	ECL 2
		Instrument ID: GCMSL								

Laboratory References:

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

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

Eurofins Calscience LLC

Accreditation/Certification Summary

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

Job ID: 570-46505-1

Laboratory: Eurofins Calscience LLC

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

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: Cardno, Inc

Job ID: 570-46505-1

Project/Site: ExxonMobil Gladiola Station / 3612

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

Protocol References:

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

Eurofins Calscience LLC

46505



7440 LINCOLN WAY

Calscience GARDEN GROVE, CA 92841-1432

TEL. (714) 895-5494 . FAX: (714) 894-7501

Site Name <u>Gladiola Station</u>	
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: 12-15-20PAGE: 1 OF 1

ExxonMobil Engr Marla Madden

LABORATORY CLIENT Cardno						GLOBAL ID # COELT LOG CODE.										EMES Sub Agreement #A2604415									
ADDRESS 4572 Telephone Road #916						PROJECT CONTACT James Anderson										LAB USE ONLY ☐ ☐ ☐ ☐ ☐ ☐									
CITY Ventura, CA 93003						SAMPLER(S) <u>Plant 107 / Tose Vasquez</u>										COOLER RECEIPT Temp: _____ °C									
TEL. 805 701 1420		FAX 949-457-8956		James.Anderson@cardno.com		REQUESTED ANALYSIS																			
TURNAROUND TIME ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS						 570-46505 Chain of Custody																			
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____																									
SPECIAL INSTRUCTIONS New Mexico Site																									
Report J values																									
LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING		MAT- RIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 8010B As, Ba, Cd, Cr, Pb, Se and Ag - EPA 7470 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE													
			DATE	TIME																					
1	W - MW-19	MW-19	12-15-20	0856	W	8	X	X	X	X	X													3 vials with HCL, 2 1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
2	W - MW-30	MW-30	12-15-20	1002	W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
3	W - MW-29	MW-29	12-15-20	1106	W	8	X	X	X	X	X													3 vials with HCL 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
4	W - MW-28	MW-28	12-15-20	1221	W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
5	W - MW-27	MW-27	12-15-20	1311	W	8	X	X	X	X	X													3 vials with HCL 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
6	TRIP BLANK	QCLB	12-15-20	-	W	30	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
7					W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
8					W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
9					W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
10					W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
11					W	8	X	X	X	X	X													3 vials with HCL 2 1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
12					W	8	X	X	X	X	X													3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic	
Relinquished by: (Signature) <u>[Signature]</u>						Received by: (Signature) <u>[Signature]</u>										Date & Time: _____									
Relinquished by: (Signature) _____						Received by: (Signature) <u>[Signature]</u>										Date & Time: <u>12/17/2020 10:40</u>									
Relinquished by: (Signature) _____						Received by: (Signature) _____										Date, & Time: _____									

46505



7440 LINCOLN WAY

CALISTOCE GARDEN GROVE, CA 92841-1432

TEL: (714) 895-5494 • FAX: (714) 894-7501

Site Name Gladiola Station

Provide MRN for retail or AFE for major projects

Retail Project (MRN)

Major Project (AFE)

CHAIN OF CUSTODY RECORD

DATE: 12-15-20PAGE: 1 OF 1

ExxonMobil Engr Maria Madden

Project Name ExxonMobil Gladiola Station / 3612

LABORATORY CLIENT Cardno		GLOBAL ID # COELT LOG CODE		EMES Sub Agreement #A2604415								
ADDRESS 4572 Telephone Road #916		PROJECT CONTACT James Anderson		LAB USE ONLY								
CITY Ventura, CA 93003		SAMPLER(S)		COOLER RECEIPT								
TEL 805 701 1420		FAX 949-457-8956		Temp: _____ °C								
TURNAROUND TIME ☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAYS ☐ 10 DAYS		REQUESTED ANALYSIS										
SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY) ☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL _____		Barcode:  570-46505 Chain of Custody										
SPECIAL INSTRUCTIONS New Mexico Site Report J values												
LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	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 7470 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W - MW-19	MW-19	12-15-20	0856	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
2	W - MW-30	MW-30	12-15-20	1002	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
3	W - MW-29	MW-29	12-15-20	1106	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
4	W - MW-28	MW-28	12-15-20	1221	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
5	W - MW-27	MW-27	12-15-20	1311	W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
6	TRIP BLANK	QCTB	12-15-20	---	W	30	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
7					W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
8					W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
9					W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
10					W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
11					W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
12					W	8	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
Relinquished by (Signature) _____							Date & Time: _____					
Relinquished by (Signature) _____							Date & Time: <u>12/17/2020</u> <u>10:40</u>					
Relinquished by (Signature) _____							Date & Time: _____					

3-7-2-9, 3-6-2-8 566

ORIGIN ID:HOBBA (714) 895-5494
EUROFINS
7440 LINCOLN WAY
GARDEN GROVE, CA 92841
UNITED STATES US

SHIP DI
ACTWGT
CAD: 6
DIMS:
BILL TO

ORIGIN ID:HOBBA (714) 895-5494
EUROFINS
7440 LINCOLN WAY
GARDEN GROVE, CA 92841
UNITED STATES US

SHIP DATE: 15DEC20
ACTWGT: 45.90 LB
CAD: 6994246/SSFE2121
DIMS: 24x14x14 IN
BILL THIRD PARTY

Art # 156295-435

46505

0 CALSCIENCE ENVIORMENTAL

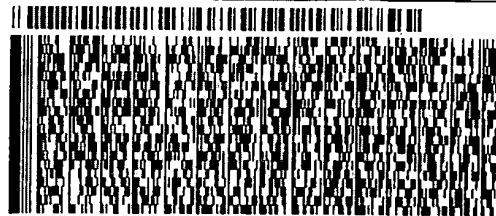
7440 LINCOLN WAY

GARDEN GROVE CA 92841

(714) 895-5494
THU
PO1

REF1

DEPT:



0 CALSCIENCE ENVIORMENTAL

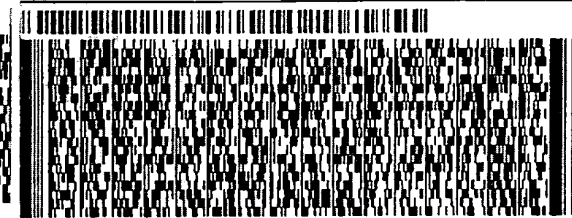
7440 LINCOLN WAY

GARDEN GROVE CA 92841

(714) 895-5494
THU
PO1

REF1

DEPT:



570-46505 Waybill

FedEx
Express



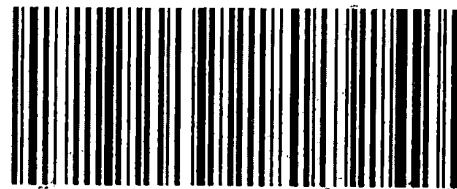
Art 156295-435

1 of 2

THU -

TRK# 8158 1726 0974
0215
MASTER

B1 APVA



2 of 2

THU - 17 DEC 10:30A

MPS# 7814 8632 8938
0681
Metr# 8158 1726 0974

0215

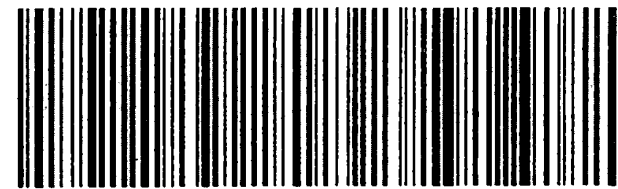
B1 APVA

MORNING 2DAY

AHS

92841

CA-US SNA



RT 398
ST 25

5 10:30
C 0974
12.17

RT 398
ST 25

5 10:30
C 8938
12.17

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-46505-1

Login Number: 46505

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

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



Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-46510-1

Client Project/Site: ExxonMobil Gladiola Station/3612

For:

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

Attn: Mr. James Anderson

Cecile de Guia

Authorized for release by:
1/4/2021 5:41:09 PM

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

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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

Laboratory Job ID: 570-46510-1

Table of Contents

Cover Page	1
Table of Contents	2
Sample Summary	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	9
Surrogate Summary	26
QC Sample Results	27
QC Association Summary	37
Lab Chronicle	40
Certification Summary	44
Method Summary	45
Chain of Custody	46
Receipt Checklists	47

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Sample Summary

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

Job ID: 570-46510-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
570-46510-1	W-MW-32	Water	12/16/20 08:13	12/17/20 10:40	
570-46510-2	W-MW-17	Water	12/16/20 09:10	12/17/20 10:40	
570-46510-3	W-MW-22	Water	12/16/20 10:26	12/17/20 10:40	
570-46510-4	W-MW-11	Water	12/16/20 11:37	12/17/20 10:40	
570-46510-5	Trip Blank	Water	12/16/20 00:00	12/17/20 10:40	
570-46510-6	W-MW-31	Water	12/16/20 12:31	12/17/20 10:40	
570-46510-7	W-MW-3	Water	12/16/20 13:33	12/17/20 10:40	

Definitions/Glossary

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

Job ID: 570-46510-1

Qualifiers

GC/MS 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.

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

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

Glossary

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

Eurofins Calscience LLC

Case Narrative

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

Job ID: 570-46510-1

Job ID: 570-46510-1**Laboratory: Eurofins Calscience LLC****Narrative****Job Narrative
570-46510-1****Comments**

No additional comments.

Receipt

The samples were received on 12/17/2020 10:40 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.9° C and 3.1° C.

GC/MS VOA

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-117405.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-117950.

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

GC/MS Semi VOA

Method 8270C SIM: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 570-117680 and analytical batch 570-118210 recovered outside control limits for the following analytes: 1-Methylnaphthalene

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

Metals

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 570-119751 and analytical batch 570-120135 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

General Chemistry

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

Organic Prep

Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-117680. The LCS/LCSd was preformed to meet QC requirements.

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

VOA Prep

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

Detection Summary

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

Job ID: 570-46510-1

Client Sample ID: W-MW-32

Lab Sample ID: 570-46510-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	0.87		0.50	0.27	ug/L	1			8260B	Total/NA
1,2,4-Trimethylbenzene	0.33	J	0.50	0.29	ug/L	1			8260B	Total/NA
Naphthalene	0.62	J	1.0	0.32	ug/L	1			8260B	Total/NA
p-Isopropyltoluene	0.79		0.50	0.28	ug/L	1			8260B	Total/NA
sec-Butylbenzene	1.1		0.50	0.34	ug/L	1			8260B	Total/NA
tert-Butylbenzene	0.82		0.50	0.34	ug/L	1			8260B	Total/NA
Fluorene	0.33		0.19	0.071	ug/L	1			8270C SIM	Total/NA
1-Methylnaphthalene	0.43	*1	0.19	0.069	ug/L	1			8270C SIM	Total/NA
Naphthalene	0.22		0.19	0.079	ug/L	1			8270C SIM	Total/NA
Barium	0.327		0.0100	0.00308	mg/L	1			6010B	Total/NA
Cadmium	0.00304	J	0.0100	0.00210	mg/L	1			6010B	Total/NA
Lead	0.0233	J	0.0500	0.00821	mg/L	1			6010B	Total/NA
Alkalinity, Total (As CaCO3)	540		5.00	1.69	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	545		1.00	0.870	mg/L	1			SM 2540C	Total/NA
Chloride	35.5		2.00	0.594	mg/L	1			SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-17

Lab Sample ID: 570-46510-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Benzene	100		2.0	1.1	ug/L	4			8260B	Total/NA
m,p-Xylene	150		4.0	3.1	ug/L	4			8260B	Total/NA
Xylenes, Total	150		4.0	3.1	ug/L	4			8260B	Total/NA
1,2,4-Trimethylbenzene	70		2.0	1.1	ug/L	4			8260B	Total/NA
1,3,5-Trimethylbenzene	20		2.0	1.1	ug/L	4			8260B	Total/NA
Isopropylbenzene	42		2.0	1.5	ug/L	4			8260B	Total/NA
Naphthalene	64		4.0	1.3	ug/L	4			8260B	Total/NA
n-Butylbenzene	3.1		2.0	1.2	ug/L	4			8260B	Total/NA
N-Propylbenzene	39		2.0	1.6	ug/L	4			8260B	Total/NA
sec-Butylbenzene	4.2		2.0	1.4	ug/L	4			8260B	Total/NA
Ethylbenzene - DL	580		20	14	ug/L	40			8260B	Total/NA
Acenaphthene	0.16	J	0.19	0.092	ug/L	1			8270C SIM	Total/NA
Fluorene	0.68		0.19	0.071	ug/L	1			8270C SIM	Total/NA
1-Methylnaphthalene	13	*1	0.19	0.069	ug/L	1			8270C SIM	Total/NA
2-Methylnaphthalene	10		0.19	0.073	ug/L	1			8270C SIM	Total/NA
Naphthalene	37		0.95	0.39	ug/L	5			8270C SIM	Total/NA
Phenanthrene	0.21		0.19	0.069	ug/L	1			8270C SIM	Total/NA
Arsenic	0.0226	J	0.100	0.0181	mg/L	1			6010B	Total/NA
Barium	11.0		0.0100	0.00308	mg/L	1			6010B	Total/NA
Cadmium	0.00415	J	0.0100	0.00210	mg/L	1			6010B	Total/NA
Chromium	0.00691	J	0.0500	0.00688	mg/L	1			6010B	Total/NA
Lead	0.0140	J	0.0500	0.00821	mg/L	1			6010B	Total/NA
Alkalinity, Total (As CaCO3)	1060		5.00	1.69	mg/L	1			SM 2320B	Total/NA
Total Dissolved Solids	860		1.00	0.870	mg/L	1			SM 2540C	Total/NA
Chloride	6.64		2.00	0.594	mg/L	1			SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-22

Lab Sample ID: 570-46510-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Ethylbenzene	0.99		0.50	0.36	ug/L	1			8260B	Total/NA
Naphthalene	0.14	J	0.19	0.079	ug/L	1			8270C SIM	Total/NA
Barium	0.0268		0.0100	0.00308	mg/L	1			6010B	Total/NA
Cadmium	0.00296	J	0.0100	0.00210	mg/L	1			6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

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

Job ID: 570-46510-1

Client Sample ID: W-MW-22 (Continued)

Lab Sample ID: 570-46510-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.0186	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	261		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	620		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	32.7		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-11

Lab Sample ID: 570-46510-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0394		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00353	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Lead	0.0169	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	412		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	800		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	158		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank

Lab Sample ID: 570-46510-5

No Detections.

Client Sample ID: W-MW-31

Lab Sample ID: 570-46510-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.45	J	0.50	0.27	ug/L	1		8260B	Total/NA
Ethylbenzene	0.39	J	0.50	0.36	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.63		0.50	0.29	ug/L	1		8260B	Total/NA
Isopropylbenzene	0.48	J	0.50	0.38	ug/L	1		8260B	Total/NA
Naphthalene	0.32	J	1.0	0.32	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.28	J	0.50	0.28	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.5		0.50	0.34	ug/L	1		8260B	Total/NA
tert-Butylbenzene	0.43	J	0.50	0.34	ug/L	1		8260B	Total/NA
Fluorene	0.19		0.19	0.071	ug/L	1		8270C SIM	Total/NA
Barium	0.474		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00317	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Lead	0.0187	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	476		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1010		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	45.7		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW-3

Lab Sample ID: 570-46510-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	550		4.0	2.1	ug/L	8		8260B	Total/NA
Ethylbenzene	430		4.0	2.8	ug/L	8		8260B	Total/NA
Isopropylbenzene	40		4.0	3.1	ug/L	8		8260B	Total/NA
Naphthalene	53		8.0	2.5	ug/L	8		8260B	Total/NA
n-Butylbenzene	3.4	J	4.0	2.3	ug/L	8		8260B	Total/NA
N-Propylbenzene	42		4.0	3.1	ug/L	8		8260B	Total/NA
sec-Butylbenzene	5.7		4.0	2.7	ug/L	8		8260B	Total/NA
Fluorene	1.3		0.95	0.36	ug/L	5		8270C SIM	Total/NA
1-Methylnaphthalene	26	*1	0.95	0.35	ug/L	5		8270C SIM	Total/NA
2-Methylnaphthalene	30		0.95	0.37	ug/L	5		8270C SIM	Total/NA
Naphthalene	46		0.95	0.39	ug/L	5		8270C SIM	Total/NA
Phenanthrene	1.1		0.95	0.35	ug/L	5		8270C SIM	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience LLC

Detection Summary

Client: Cardno, Inc

Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-46510-1

Client Sample ID: W-MW-3 (Continued)

Lab Sample ID: 570-46510-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.0292	J	0.100	0.0181	mg/L	1		6010B	Total/NA
Barium	8.65		0.0100	0.00308	mg/L	1		6010B	Total/NA
Cadmium	0.00501	J	0.0100	0.00210	mg/L	1		6010B	Total/NA
Chromium	0.00758	J	0.0500	0.00688	mg/L	1		6010B	Total/NA
Lead	0.0164	J	0.0500	0.00821	mg/L	1		6010B	Total/NA
Silver	0.00324	J B	0.0100	0.00298	mg/L	1		6010B	Total/NA
Alkalinity, Total (As CaCO3)	1400		5.00	1.69	mg/L	1		SM 2320B	Total/NA
Total Dissolved Solids	1010		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	27.8		2.00	0.594	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-32

Lab Sample ID: 570-46510-1

Date Collected: 12/16/20 08:13

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.87		0.50	0.27	ug/L			12/19/20 01:11	1
Toluene	ND		0.50	0.33	ug/L			12/19/20 01:11	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/19/20 01:11	1
o-Xylene	ND		0.50	0.35	ug/L			12/19/20 01:11	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/19/20 01:11	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/19/20 01:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/19/20 01:11	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/19/20 01:11	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/19/20 01:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/19/20 01:11	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/19/20 01:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/19/20 01:11	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/19/20 01:11	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/19/20 01:11	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/19/20 01:11	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/19/20 01:11	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/19/20 01:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/19/20 01:11	1
1,2,4-Trimethylbenzene	0.33	J	0.50	0.29	ug/L			12/19/20 01:11	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/19/20 01:11	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/19/20 01:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/19/20 01:11	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/19/20 01:11	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/19/20 01:11	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/19/20 01:11	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/19/20 01:11	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/19/20 01:11	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/19/20 01:11	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/19/20 01:11	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/19/20 01:11	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/19/20 01:11	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/19/20 01:11	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/19/20 01:11	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/19/20 01:11	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/19/20 01:11	1
Acetone	ND		8.0	4.0	ug/L			12/19/20 01:11	1
Bromobenzene	ND		0.50	0.26	ug/L			12/19/20 01:11	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/19/20 01:11	1
Bromoform	ND		0.50	0.39	ug/L			12/19/20 01:11	1
Bromomethane	ND		1.0	0.93	ug/L			12/19/20 01:11	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/19/20 01:11	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/19/20 01:11	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/19/20 01:11	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/19/20 01:11	1
Chloroethane	ND		0.50	0.44	ug/L			12/19/20 01:11	1
Chloroform	ND		0.50	0.28	ug/L			12/19/20 01:11	1
Chloromethane	ND		1.0	0.29	ug/L			12/19/20 01:11	1
Dibromomethane	ND		0.50	0.23	ug/L			12/19/20 01:11	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/19/20 01:11	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-32

Lab Sample ID: 570-46510-1

Date Collected: 12/16/20 08:13

Matrix: Water

Date Received: 12/17/20 10:40

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			12/19/20 01:11	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/19/20 01:11	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/19/20 01:11	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/19/20 01:11	1
2-Butanone	ND		5.0	3.0	ug/L			12/19/20 01:11	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/19/20 01:11	1
2-Hexanone	ND		6.0	4.3	ug/L			12/19/20 01:11	1
Naphthalene	0.62	J	1.0	0.32	ug/L			12/19/20 01:11	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/19/20 01:11	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/19/20 01:11	1
p-Isopropyltoluene	0.79		0.50	0.28	ug/L			12/19/20 01:11	1
sec-Butylbenzene	1.1		0.50	0.34	ug/L			12/19/20 01:11	1
Styrene	ND		0.50	0.28	ug/L			12/19/20 01:11	1
tert-Butylbenzene	0.82		0.50	0.34	ug/L			12/19/20 01:11	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/19/20 01:11	1
Trichloroethene	ND		0.50	0.29	ug/L			12/19/20 01:11	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/19/20 01:11	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/19/20 01:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		80 - 128		12/19/20 01:11	1
4-Bromofluorobenzene (Surr)	92		68 - 120		12/19/20 01:11	1
Dibromofluoromethane (Surr)	97		80 - 127		12/19/20 01:11	1
Toluene-d8 (Surr)	99		80 - 120		12/19/20 01:11	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		12/21/20 05:08	12/23/20 20:53	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 20:53	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 20:53	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/21/20 05:08	12/23/20 20:53	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 20:53	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 20:53	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 20:53	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		12/21/20 05:08	12/23/20 20:53	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 20:53	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 20:53	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 20:53	1
Fluorene	0.33		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 20:53	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 20:53	1
1-Methylnaphthalene	0.43	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 20:53	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 20:53	1
Naphthalene	0.22		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 20:53	1
Phenanthrene	ND		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 20:53	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	71		33 - 144	12/21/20 05:08	12/23/20 20:53	1
Nitrobenzene-d5 (Surr)	59		28 - 139	12/21/20 05:08	12/23/20 20:53	1
p-Terphenyl-d14 (Surr)	71		23 - 160	12/21/20 05:08	12/23/20 20:53	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-32

Lab Sample ID: 570-46510-1

Date Collected: 12/16/20 08:13

Matrix: Water

Date Received: 12/17/20 10:40

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 10:04	1
Barium	0.327		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 10:04	1
Cadmium	0.00304	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 10:04	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 10:04	1
Lead	0.0233	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 10:04	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 10:04	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 10:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO ₃)	540		5.00	1.69	mg/L			12/28/20 16:31	1
Total Dissolved Solids	545		1.00	0.870	mg/L			12/23/20 07:33	1
Chloride	35.5		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-17

Lab Sample ID: 570-46510-2

Date Collected: 12/16/20 09:10

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	100		2.0	1.1	ug/L			12/19/20 05:12	4
Toluene	ND		2.0	1.3	ug/L			12/19/20 05:12	4
o-Xylene	ND		2.0	1.4	ug/L			12/19/20 05:12	4
m,p-Xylene	150		4.0	3.1	ug/L			12/19/20 05:12	4
Xylenes, Total	150		4.0	3.1	ug/L			12/19/20 05:12	4
Methyl-t-Butyl Ether (MTBE)	ND		2.0	0.82	ug/L			12/19/20 05:12	4
1,1,1,2-Tetrachloroethane	ND		2.0	1.0	ug/L			12/19/20 05:12	4
1,1,1-Trichloroethane	ND		2.0	1.1	ug/L			12/19/20 05:12	4
1,1,2,2-Tetrachloroethane	ND		2.0	0.78	ug/L			12/19/20 05:12	4
1,1,2-Trichloroethane	ND		2.0	0.34	ug/L			12/19/20 05:12	4
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		2.0	1.0	ug/L			12/19/20 05:12	4
1,1-Dichloroethane	ND		2.0	1.4	ug/L			12/19/20 05:12	4
1,1-Dichloroethene	ND		2.0	1.6	ug/L			12/19/20 05:12	4
1,1-Dichloropropene	ND		2.0	0.97	ug/L			12/19/20 05:12	4
1,2,3-Trichlorobenzene	ND		2.0	1.1	ug/L			12/19/20 05:12	4
1,2,3-Trichloropropane	ND		2.0	1.3	ug/L			12/19/20 05:12	4
1,2,4-Trichlorobenzene	ND		2.0	1.5	ug/L			12/19/20 05:12	4
1,2,4-Trimethylbenzene	70		2.0	1.1	ug/L			12/19/20 05:12	4
1,3,5-Trimethylbenzene	20		2.0	1.1	ug/L			12/19/20 05:12	4
c-1,2-Dichloroethene	ND		2.0	1.2	ug/L			12/19/20 05:12	4
1,2-Dibromo-3-Chloropropane	ND		4.0	2.6	ug/L			12/19/20 05:12	4
1,2-Dichlorobenzene	ND		2.0	0.92	ug/L			12/19/20 05:12	4
1,2-Dichloroethane	ND		2.0	0.60	ug/L			12/19/20 05:12	4
1,2-Dichloropropane	ND		2.0	0.96	ug/L			12/19/20 05:12	4
t-1,2-Dichloroethene	ND		2.0	1.4	ug/L			12/19/20 05:12	4
c-1,3-Dichloropropene	ND		2.0	0.77	ug/L			12/19/20 05:12	4

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-17

Lab Sample ID: 570-46510-2

Date Collected: 12/16/20 09:10

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		2.0	1.0	ug/L			12/19/20 05:12	4
1,3-Dichloropropane	ND		2.0	0.82	ug/L			12/19/20 05:12	4
t-1,3-Dichloropropene	ND		2.0	0.69	ug/L			12/19/20 05:12	4
1,4-Dichlorobenzene	ND		2.0	0.90	ug/L			12/19/20 05:12	4
2,2-Dichloropropane	ND		2.0	1.6	ug/L			12/19/20 05:12	4
2-Chlorotoluene	ND		2.0	1.2	ug/L			12/19/20 05:12	4
4-Chlorotoluene	ND		2.0	1.3	ug/L			12/19/20 05:12	4
4-Methyl-2-pentanone	ND		20	9.0	ug/L			12/19/20 05:12	4
Acetone	ND		32	16	ug/L			12/19/20 05:12	4
Bromobenzene	ND		2.0	1.0	ug/L			12/19/20 05:12	4
Bromochloromethane	ND		4.0	1.4	ug/L			12/19/20 05:12	4
Bromoform	ND		2.0	1.6	ug/L			12/19/20 05:12	4
Bromomethane	ND		4.0	3.7	ug/L			12/19/20 05:12	4
Carbon disulfide	ND		4.0	0.98	ug/L			12/19/20 05:12	4
Carbon tetrachloride	ND		2.0	1.1	ug/L			12/19/20 05:12	4
Chlorobenzene	ND		2.0	0.95	ug/L			12/19/20 05:12	4
Dibromochloromethane	ND		2.0	1.1	ug/L			12/19/20 05:12	4
Chloroethane	ND		2.0	1.8	ug/L			12/19/20 05:12	4
Chloroform	ND		2.0	1.1	ug/L			12/19/20 05:12	4
Chloromethane	ND		4.0	1.2	ug/L			12/19/20 05:12	4
Dibromomethane	ND		2.0	0.92	ug/L			12/19/20 05:12	4
Bromodichloromethane	ND		2.0	0.89	ug/L			12/19/20 05:12	4
Dichlorodifluoromethane	ND		4.0	2.7	ug/L			12/19/20 05:12	4
1,2-Dibromoethane	ND		2.0	0.55	ug/L			12/19/20 05:12	4
Hexachloro-1,3-butadiene	ND		4.0	1.3	ug/L			12/19/20 05:12	4
Isopropylbenzene	42		2.0	1.5	ug/L			12/19/20 05:12	4
2-Butanone	ND		20	12	ug/L			12/19/20 05:12	4
Methylene Chloride	ND		4.0	1.9	ug/L			12/19/20 05:12	4
2-Hexanone	ND		24	17	ug/L			12/19/20 05:12	4
Naphthalene	64		4.0	1.3	ug/L			12/19/20 05:12	4
n-Butylbenzene	3.1		2.0	1.2	ug/L			12/19/20 05:12	4
N-Propylbenzene	39		2.0	1.6	ug/L			12/19/20 05:12	4
p-Isopropyltoluene	ND		2.0	1.1	ug/L			12/19/20 05:12	4
sec-Butylbenzene	4.2		2.0	1.4	ug/L			12/19/20 05:12	4
Styrene	ND		2.0	1.1	ug/L			12/19/20 05:12	4
tert-Butylbenzene	ND		2.0	1.4	ug/L			12/19/20 05:12	4
Tetrachloroethene	ND		2.0	1.2	ug/L			12/19/20 05:12	4
Trichloroethene	ND		2.0	1.2	ug/L			12/19/20 05:12	4
Trichlorofluoromethane	ND		2.0	1.2	ug/L			12/19/20 05:12	4
Vinyl chloride	ND		2.0	1.6	ug/L			12/19/20 05:12	4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	90		80 - 128		12/19/20 05:12	4
4-Bromofluorobenzene (Surr)	96		68 - 120		12/19/20 05:12	4
Dibromofluoromethane (Surr)	97		80 - 127		12/19/20 05:12	4
Toluene-d8 (Surr)	97		80 - 120		12/19/20 05:12	4

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	580		20	14	ug/L			12/22/20 02:21	40

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-17

Lab Sample ID: 570-46510-2

Date Collected: 12/16/20 09:10

Matrix: Water

Date Received: 12/17/20 10:40

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		80 - 128		12/22/20 02:21	40
4-Bromofluorobenzene (Surr)	103		68 - 120		12/22/20 02:21	40
Dibromofluoromethane (Surr)	98		80 - 127		12/22/20 02:21	40
Toluene-d8 (Surr)	98		80 - 120		12/22/20 02:21	40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.16	J	0.19	0.092	ug/L		12/21/20 05:08	12/23/20 21:13	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/21/20 05:08	12/23/20 21:13	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 21:13	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/21/20 05:08	12/23/20 21:13	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 21:13	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 21:13	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 21:13	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 21:13	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 21:13	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 21:13	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 21:13	1
Fluorene	0.68		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 21:13	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 21:13	1
1-Methylnaphthalene	13	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 21:13	1
2-Methylnaphthalene	10		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 21:13	1
Naphthalene	37		0.95	0.39	ug/L		12/21/20 05:08	12/24/20 18:14	5
Phenanthrene	0.21		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 21:13	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 21:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	66		33 - 144	12/21/20 05:08	12/23/20 21:13	1
2-Fluorobiphenyl (Surr)	91		33 - 144	12/21/20 05:08	12/24/20 18:14	5
Nitrobenzene-d5 (Surr)	79		28 - 139	12/21/20 05:08	12/23/20 21:13	1
Nitrobenzene-d5 (Surr)	63		28 - 139	12/21/20 05:08	12/24/20 18:14	5
p-Terphenyl-d14 (Surr)	64		23 - 160	12/21/20 05:08	12/23/20 21:13	1
p-Terphenyl-d14 (Surr)	88		23 - 160	12/21/20 05:08	12/24/20 18:14	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0226	J	0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 10:06	1
Barium	11.0		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 10:06	1
Cadmium	0.00415	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 10:06	1
Chromium	0.00691	J	0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 10:06	1
Lead	0.0140	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 10:06	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 10:06	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 10:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	1060		5.00	1.69	mg/L			12/28/20 16:39	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-17

Lab Sample ID: 570-46510-2

Date Collected: 12/16/20 09:10

Matrix: Water

Date Received: 12/17/20 10:40

General Chemistry (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	860		1.00	0.870	mg/L			12/23/20 07:33	1
Chloride	6.64		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-22

Lab Sample ID: 570-46510-3

Date Collected: 12/16/20 10:26

Matrix: Water

Date Received: 12/17/20 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			12/19/20 01:38	1
Toluene	ND		0.50	0.33	ug/L			12/19/20 01:38	1
Ethylbenzene	0.99		0.50	0.36	ug/L			12/19/20 01:38	1
o-Xylene	ND		0.50	0.35	ug/L			12/19/20 01:38	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/19/20 01:38	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/19/20 01:38	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/19/20 01:38	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/19/20 01:38	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/19/20 01:38	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/19/20 01:38	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/19/20 01:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/19/20 01:38	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/19/20 01:38	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/19/20 01:38	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/19/20 01:38	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/19/20 01:38	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/19/20 01:38	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/19/20 01:38	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/19/20 01:38	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/19/20 01:38	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/19/20 01:38	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/19/20 01:38	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/19/20 01:38	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/19/20 01:38	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/19/20 01:38	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/19/20 01:38	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/19/20 01:38	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/19/20 01:38	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/19/20 01:38	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/19/20 01:38	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/19/20 01:38	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/19/20 01:38	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/19/20 01:38	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/19/20 01:38	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/19/20 01:38	1
Acetone	ND		8.0	4.0	ug/L			12/19/20 01:38	1
Bromobenzene	ND		0.50	0.26	ug/L			12/19/20 01:38	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/19/20 01:38	1
Bromoform	ND		0.50	0.39	ug/L			12/19/20 01:38	1
Bromomethane	ND		1.0	0.93	ug/L			12/19/20 01:38	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/19/20 01:38	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-22

Lab Sample ID: 570-46510-3

Date Collected: 12/16/20 10:26

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/19/20 01:38	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/19/20 01:38	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/19/20 01:38	1
Chloroethane	ND		0.50	0.44	ug/L			12/19/20 01:38	1
Chloroform	ND		0.50	0.28	ug/L			12/19/20 01:38	1
Chloromethane	ND		1.0	0.29	ug/L			12/19/20 01:38	1
Dibromomethane	ND		0.50	0.23	ug/L			12/19/20 01:38	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/19/20 01:38	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/20 01:38	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/19/20 01:38	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/19/20 01:38	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/19/20 01:38	1
2-Butanone	ND		5.0	3.0	ug/L			12/19/20 01:38	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/19/20 01:38	1
2-Hexanone	ND		6.0	4.3	ug/L			12/19/20 01:38	1
Naphthalene	ND		1.0	0.32	ug/L			12/19/20 01:38	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/19/20 01:38	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/19/20 01:38	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/19/20 01:38	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/19/20 01:38	1
Styrene	ND		0.50	0.28	ug/L			12/19/20 01:38	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/19/20 01:38	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/19/20 01:38	1
Trichloroethene	ND		0.50	0.29	ug/L			12/19/20 01:38	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/19/20 01:38	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/19/20 01:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		80 - 128		12/19/20 01:38	1
4-Bromofluorobenzene (Surr)	93		68 - 120		12/19/20 01:38	1
Dibromofluoromethane (Surr)	97		80 - 127		12/19/20 01:38	1
Toluene-d8 (Surr)	95		80 - 120		12/19/20 01:38	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		12/21/20 05:08	12/23/20 21:34	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/21/20 05:08	12/23/20 21:34	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 21:34	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/21/20 05:08	12/23/20 21:34	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 21:34	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 21:34	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 21:34	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 21:34	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 21:34	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 21:34	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 21:34	1
Fluorene	ND		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 21:34	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 21:34	1
1-Methylnaphthalene	ND	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 21:34	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 21:34	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-22

Lab Sample ID: 570-46510-3

Date Collected: 12/16/20 10:26

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.14	J	0.19	0.079	ug/L		12/21/20 05:08	12/23/20 21:34	1
Phenanthrene	ND		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 21:34	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 21:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	62		33 - 144				12/21/20 05:08	12/23/20 21:34	1
Nitrobenzene-d5 (Surr)	57		28 - 139				12/21/20 05:08	12/23/20 21:34	1
p-Terphenyl-d14 (Surr)	59		23 - 160				12/21/20 05:08	12/23/20 21:34	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 10:08	1
Barium	0.0268		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 10:08	1
Cadmium	0.00296	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 10:08	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 10:08	1
Lead	0.0186	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 10:08	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 10:08	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 10:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	261		5.00	1.69	mg/L			12/28/20 16:45	1
Total Dissolved Solids	620		1.00	0.870	mg/L			12/23/20 07:33	1
Chloride	32.7		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-11

Lab Sample ID: 570-46510-4

Date Collected: 12/16/20 11:37

Matrix: Water

Date Received: 12/17/20 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			12/19/20 02:04	1
Toluene	ND		0.50	0.33	ug/L			12/19/20 02:04	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/19/20 02:04	1
o-Xylene	ND		0.50	0.35	ug/L			12/19/20 02:04	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/19/20 02:04	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/19/20 02:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/19/20 02:04	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/19/20 02:04	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/19/20 02:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/19/20 02:04	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/19/20 02:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/19/20 02:04	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/19/20 02:04	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/19/20 02:04	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/19/20 02:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/19/20 02:04	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-11

Lab Sample ID: 570-46510-4

Date Collected: 12/16/20 11:37

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/19/20 02:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/19/20 02:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/19/20 02:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/19/20 02:04	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/19/20 02:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/19/20 02:04	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/19/20 02:04	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/19/20 02:04	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/19/20 02:04	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/19/20 02:04	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/19/20 02:04	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/19/20 02:04	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/19/20 02:04	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/19/20 02:04	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/19/20 02:04	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/19/20 02:04	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/19/20 02:04	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/19/20 02:04	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/19/20 02:04	1
Acetone	ND		8.0	4.0	ug/L			12/19/20 02:04	1
Bromobenzene	ND		0.50	0.26	ug/L			12/19/20 02:04	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/19/20 02:04	1
Bromoform	ND		0.50	0.39	ug/L			12/19/20 02:04	1
Bromomethane	ND		1.0	0.93	ug/L			12/19/20 02:04	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/19/20 02:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/19/20 02:04	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/19/20 02:04	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/19/20 02:04	1
Chloroethane	ND		0.50	0.44	ug/L			12/19/20 02:04	1
Chloroform	ND		0.50	0.28	ug/L			12/19/20 02:04	1
Chloromethane	ND		1.0	0.29	ug/L			12/19/20 02:04	1
Dibromomethane	ND		0.50	0.23	ug/L			12/19/20 02:04	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/19/20 02:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/20 02:04	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/19/20 02:04	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/19/20 02:04	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/19/20 02:04	1
2-Butanone	ND		5.0	3.0	ug/L			12/19/20 02:04	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/19/20 02:04	1
2-Hexanone	ND		6.0	4.3	ug/L			12/19/20 02:04	1
Naphthalene	ND		1.0	0.32	ug/L			12/19/20 02:04	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/19/20 02:04	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/19/20 02:04	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/19/20 02:04	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/19/20 02:04	1
Styrene	ND		0.50	0.28	ug/L			12/19/20 02:04	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/19/20 02:04	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/19/20 02:04	1
Trichloroethene	ND		0.50	0.29	ug/L			12/19/20 02:04	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-11

Lab Sample ID: 570-46510-4

Date Collected: 12/16/20 11:37

Matrix: Water

Date Received: 12/17/20 10:40

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			12/19/20 02:04	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/19/20 02:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		80 - 128		12/19/20 02:04	1
4-Bromofluorobenzene (Surr)	93		68 - 120		12/19/20 02:04	1
Dibromofluoromethane (Surr)	96		80 - 127		12/19/20 02:04	1
Toluene-d8 (Surr)	95		80 - 120		12/19/20 02:04	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		12/21/20 05:08	12/23/20 21:54	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/21/20 05:08	12/23/20 21:54	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 21:54	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/21/20 05:08	12/23/20 21:54	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 21:54	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 21:54	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 21:54	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 21:54	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 21:54	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 21:54	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 21:54	1
Fluorene	ND		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 21:54	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 21:54	1
1-Methylnaphthalene	ND *1		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 21:54	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 21:54	1
Naphthalene	ND		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 21:54	1
Phenanthrene	ND		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 21:54	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 21:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	67		33 - 144	12/21/20 05:08	12/23/20 21:54	1
Nitrobenzene-d5 (Surr)	64		28 - 139	12/21/20 05:08	12/23/20 21:54	1
p-Terphenyl-d14 (Surr)	44		23 - 160	12/21/20 05:08	12/23/20 21:54	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 10:10	1
Barium	0.0394		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 10:10	1
Cadmium	0.00353 J		0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 10:10	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 10:10	1
Lead	0.0169 J		0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 10:10	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 10:10	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 10:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:33	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-11

Lab Sample ID: 570-46510-4

Date Collected: 12/16/20 11:37

Matrix: Water

Date Received: 12/17/20 10:40

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO ₃)	412		5.00	1.69	mg/L			12/28/20 16:57	1
Total Dissolved Solids	800		1.00	0.870	mg/L			12/23/20 07:33	1
Chloride	158		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: Trip Blank

Lab Sample ID: 570-46510-5

Date Collected: 12/16/20 00:00

Matrix: Water

Date Received: 12/17/20 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			12/18/20 22:31	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 22:31	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 22:31	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 22:31	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 22:31	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 22:31	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 22:31	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 22:31	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 22:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 22:31	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 22:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 22:31	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 22:31	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 22:31	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 22:31	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 22:31	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 22:31	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 22:31	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 22:31	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 22:31	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 22:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 22:31	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 22:31	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 22:31	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 22:31	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 22:31	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/18/20 22:31	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 22:31	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 22:31	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 22:31	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 22:31	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 22:31	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 22:31	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 22:31	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 22:31	1
Acetone	ND		8.0	4.0	ug/L			12/18/20 22:31	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 22:31	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 22:31	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 22:31	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 22:31	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: Trip Blank

Lab Sample ID: 570-46510-5

Date Collected: 12/16/20 00:00

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 22:31	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 22:31	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 22:31	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 22:31	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 22:31	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 22:31	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 22:31	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 22:31	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/18/20 22:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 22:31	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 22:31	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 22:31	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 22:31	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 22:31	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 22:31	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 22:31	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 22:31	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 22:31	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 22:31	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 22:31	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 22:31	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 22:31	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 22:31	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 22:31	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 22:31	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 22:31	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		80 - 128		12/18/20 22:31	1
4-Bromofluorobenzene (Surr)	88		68 - 120		12/18/20 22:31	1
Dibromofluoromethane (Surr)	97		80 - 127		12/18/20 22:31	1
Toluene-d8 (Surr)	99		80 - 120		12/18/20 22:31	1

Client Sample ID: W-MW-31

Lab Sample ID: 570-46510-6

Date Collected: 12/16/20 12:31

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.45	J	0.50	0.27	ug/L			12/19/20 02:31	1
Toluene	ND		0.50	0.33	ug/L			12/19/20 02:31	1
Ethylbenzene	0.39	J	0.50	0.36	ug/L			12/19/20 02:31	1
o-Xylene	ND		0.50	0.35	ug/L			12/19/20 02:31	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/19/20 02:31	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/19/20 02:31	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/19/20 02:31	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/19/20 02:31	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/19/20 02:31	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/19/20 02:31	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-31

Lab Sample ID: 570-46510-6

Date Collected: 12/16/20 12:31

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/19/20 02:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/19/20 02:31	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/19/20 02:31	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/19/20 02:31	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/19/20 02:31	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/19/20 02:31	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/19/20 02:31	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/19/20 02:31	1
1,2,4-Trimethylbenzene	0.63		0.50	0.29	ug/L			12/19/20 02:31	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/19/20 02:31	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/19/20 02:31	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/19/20 02:31	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/19/20 02:31	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/19/20 02:31	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/19/20 02:31	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/19/20 02:31	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/19/20 02:31	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/19/20 02:31	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/19/20 02:31	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/19/20 02:31	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/19/20 02:31	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/19/20 02:31	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/19/20 02:31	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/19/20 02:31	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/19/20 02:31	1
Acetone	ND		8.0	4.0	ug/L			12/19/20 02:31	1
Bromobenzene	ND		0.50	0.26	ug/L			12/19/20 02:31	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/19/20 02:31	1
Bromoform	ND		0.50	0.39	ug/L			12/19/20 02:31	1
Bromomethane	ND		1.0	0.93	ug/L			12/19/20 02:31	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/19/20 02:31	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/19/20 02:31	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/19/20 02:31	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/19/20 02:31	1
Chloroethane	ND		0.50	0.44	ug/L			12/19/20 02:31	1
Chloroform	ND		0.50	0.28	ug/L			12/19/20 02:31	1
Chloromethane	ND		1.0	0.29	ug/L			12/19/20 02:31	1
Dibromomethane	ND		0.50	0.23	ug/L			12/19/20 02:31	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/19/20 02:31	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/19/20 02:31	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/19/20 02:31	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/19/20 02:31	1
Isopropylbenzene	0.48 J		0.50	0.38	ug/L			12/19/20 02:31	1
2-Butanone	ND		5.0	3.0	ug/L			12/19/20 02:31	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/19/20 02:31	1
2-Hexanone	ND		6.0	4.3	ug/L			12/19/20 02:31	1
Naphthalene	0.32 J		1.0	0.32	ug/L			12/19/20 02:31	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/19/20 02:31	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/19/20 02:31	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-31

Lab Sample ID: 570-46510-6

Date Collected: 12/16/20 12:31

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
p-Isopropyltoluene	0.28	J	0.50	0.28	ug/L			12/19/20 02:31	1
sec-Butylbenzene	1.5		0.50	0.34	ug/L			12/19/20 02:31	1
Styrene	ND		0.50	0.28	ug/L			12/19/20 02:31	1
tert-Butylbenzene	0.43	J	0.50	0.34	ug/L			12/19/20 02:31	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/19/20 02:31	1
Trichloroethene	ND		0.50	0.29	ug/L			12/19/20 02:31	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/19/20 02:31	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/19/20 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	87		80 - 128		12/19/20 02:31	1
4-Bromofluorobenzene (Surr)	97		68 - 120		12/19/20 02:31	1
Dibromofluoromethane (Surr)	94		80 - 127		12/19/20 02:31	1
Toluene-d8 (Surr)	97		80 - 120		12/19/20 02:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		12/21/20 05:08	12/23/20 22:15	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/21/20 05:08	12/23/20 22:15	1
Anthracene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 22:15	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/21/20 05:08	12/23/20 22:15	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/21/20 05:08	12/23/20 22:15	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 22:15	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/21/20 05:08	12/23/20 22:15	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/21/20 05:08	12/23/20 22:15	1
Chrysene	ND		0.19	0.056	ug/L		12/21/20 05:08	12/23/20 22:15	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/21/20 05:08	12/23/20 22:15	1
Fluoranthene	ND		0.19	0.064	ug/L		12/21/20 05:08	12/23/20 22:15	1
Fluorene	0.19		0.19	0.071	ug/L		12/21/20 05:08	12/23/20 22:15	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/21/20 05:08	12/23/20 22:15	1
1-Methylnaphthalene	ND	*1	0.19	0.069	ug/L		12/21/20 05:08	12/23/20 22:15	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/21/20 05:08	12/23/20 22:15	1
Naphthalene	ND		0.19	0.079	ug/L		12/21/20 05:08	12/23/20 22:15	1
Phenanthrene	ND		0.19	0.069	ug/L		12/21/20 05:08	12/23/20 22:15	1
Pyrene	ND		0.19	0.063	ug/L		12/21/20 05:08	12/23/20 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	75		33 - 144	12/21/20 05:08	12/23/20 22:15	1
Nitrobenzene-d5 (Surr)	74		28 - 139	12/21/20 05:08	12/23/20 22:15	1
p-Terphenyl-d14 (Surr)	50		23 - 160	12/21/20 05:08	12/23/20 22:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 10:12	1
Barium	0.474		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 10:12	1
Cadmium	0.00317	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 10:12	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 10:12	1
Lead	0.0187	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 10:12	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 10:12	1
Silver	ND		0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 10:12	1

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-31

Lab Sample ID: 570-46510-6

Date Collected: 12/16/20 12:31

Matrix: Water

Date Received: 12/17/20 10:40

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	476		5.00	1.69	mg/L			12/28/20 17:03	1
Total Dissolved Solids	1010		1.00	0.870	mg/L			12/23/20 07:33	1
Chloride	45.7		2.00	0.594	mg/L			12/23/20 19:01	1

Client Sample ID: W-MW-3

Lab Sample ID: 570-46510-7

Date Collected: 12/16/20 13:33

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	550		4.0	2.1	ug/L			12/19/20 05:38	8
Toluene	ND		4.0	2.6	ug/L			12/19/20 05:38	8
Ethylbenzene	430		4.0	2.8	ug/L			12/19/20 05:38	8
o-Xylene	ND		4.0	2.8	ug/L			12/19/20 05:38	8
m,p-Xylene	ND		8.0	6.3	ug/L			12/19/20 05:38	8
Xylenes, Total	ND		8.0	6.3	ug/L			12/19/20 05:38	8
Methyl-t-Butyl Ether (MTBE)	ND		4.0	1.6	ug/L			12/19/20 05:38	8
1,1,1,2-Tetrachloroethane	ND		4.0	2.1	ug/L			12/19/20 05:38	8
1,1,1-Trichloroethane	ND		4.0	2.1	ug/L			12/19/20 05:38	8
1,1,2,2-Tetrachloroethane	ND		4.0	1.6	ug/L			12/19/20 05:38	8
1,1,2-Trichloroethane	ND		4.0	0.68	ug/L			12/19/20 05:38	8
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.0	2.0	ug/L			12/19/20 05:38	8
1,1-Dichloroethane	ND		4.0	2.8	ug/L			12/19/20 05:38	8
1,1-Dichloroethene	ND		4.0	3.1	ug/L			12/19/20 05:38	8
1,1-Dichloropropene	ND		4.0	1.9	ug/L			12/19/20 05:38	8
1,2,3-Trichlorobenzene	ND		4.0	2.2	ug/L			12/19/20 05:38	8
1,2,3-Trichloropropane	ND		4.0	2.6	ug/L			12/19/20 05:38	8
1,2,4-Trichlorobenzene	ND		4.0	3.0	ug/L			12/19/20 05:38	8
1,2,4-Trimethylbenzene	ND		4.0	2.3	ug/L			12/19/20 05:38	8
1,3,5-Trimethylbenzene	ND		4.0	2.3	ug/L			12/19/20 05:38	8
c-1,2-Dichloroethene	ND		4.0	2.4	ug/L			12/19/20 05:38	8
1,2-Dibromo-3-Chloropropane	ND		8.0	5.1	ug/L			12/19/20 05:38	8
1,2-Dichlorobenzene	ND		4.0	1.8	ug/L			12/19/20 05:38	8
1,2-Dichloroethane	ND		4.0	1.2	ug/L			12/19/20 05:38	8
1,2-Dichloropropane	ND		4.0	1.9	ug/L			12/19/20 05:38	8
t-1,2-Dichloroethene	ND		4.0	2.9	ug/L			12/19/20 05:38	8
c-1,3-Dichloropropene	ND		4.0	1.5	ug/L			12/19/20 05:38	8
1,3-Dichlorobenzene	ND		4.0	2.1	ug/L			12/19/20 05:38	8
1,3-Dichloropropane	ND		4.0	1.6	ug/L			12/19/20 05:38	8
t-1,3-Dichloropropene	ND		4.0	1.4	ug/L			12/19/20 05:38	8
1,4-Dichlorobenzene	ND		4.0	1.8	ug/L			12/19/20 05:38	8
2,2-Dichloropropane	ND		4.0	3.2	ug/L			12/19/20 05:38	8
2-Chlorotoluene	ND		4.0	2.5	ug/L			12/19/20 05:38	8
4-Chlorotoluene	ND		4.0	2.7	ug/L			12/19/20 05:38	8
4-Methyl-2-pentanone	ND		40	18	ug/L			12/19/20 05:38	8
Acetone	ND		64	32	ug/L			12/19/20 05:38	8

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-3

Lab Sample ID: 570-46510-7

Date Collected: 12/16/20 13:33

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromobenzene	ND		4.0	2.1	ug/L			12/19/20 05:38	8
Bromochloromethane	ND		8.0	2.8	ug/L			12/19/20 05:38	8
Bromoform	ND		4.0	3.1	ug/L			12/19/20 05:38	8
Bromomethane	ND		8.0	7.5	ug/L			12/19/20 05:38	8
Carbon disulfide	ND		8.0	2.0	ug/L			12/19/20 05:38	8
Carbon tetrachloride	ND		4.0	2.2	ug/L			12/19/20 05:38	8
Chlorobenzene	ND		4.0	1.9	ug/L			12/19/20 05:38	8
Dibromochloromethane	ND		4.0	2.2	ug/L			12/19/20 05:38	8
Chloroethane	ND		4.0	3.5	ug/L			12/19/20 05:38	8
Chloroform	ND		4.0	2.3	ug/L			12/19/20 05:38	8
Chloromethane	ND		8.0	2.4	ug/L			12/19/20 05:38	8
Dibromomethane	ND		4.0	1.8	ug/L			12/19/20 05:38	8
Bromodichloromethane	ND		4.0	1.8	ug/L			12/19/20 05:38	8
Dichlorodifluoromethane	ND		8.0	5.4	ug/L			12/19/20 05:38	8
1,2-Dibromoethane	ND		4.0	1.1	ug/L			12/19/20 05:38	8
Hexachloro-1,3-butadiene	ND		8.0	2.5	ug/L			12/19/20 05:38	8
Isopropylbenzene	40		4.0	3.1	ug/L			12/19/20 05:38	8
2-Butanone	ND		40	24	ug/L			12/19/20 05:38	8
Methylene Chloride	ND		8.0	3.8	ug/L			12/19/20 05:38	8
2-Hexanone	ND		48	35	ug/L			12/19/20 05:38	8
Naphthalene	53		8.0	2.5	ug/L			12/19/20 05:38	8
n-Butylbenzene	3.4 J		4.0	2.3	ug/L			12/19/20 05:38	8
N-Propylbenzene	42		4.0	3.1	ug/L			12/19/20 05:38	8
p-Isopropyltoluene	ND		4.0	2.2	ug/L			12/19/20 05:38	8
sec-Butylbenzene	5.7		4.0	2.7	ug/L			12/19/20 05:38	8
Styrene	ND		4.0	2.2	ug/L			12/19/20 05:38	8
tert-Butylbenzene	ND		4.0	2.7	ug/L			12/19/20 05:38	8
Tetrachloroethene	ND		4.0	2.3	ug/L			12/19/20 05:38	8
Trichloroethene	ND		4.0	2.3	ug/L			12/19/20 05:38	8
Trichlorofluoromethane	ND		4.0	2.4	ug/L			12/19/20 05:38	8
Vinyl chloride	ND		4.0	3.2	ug/L			12/19/20 05:38	8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	88		80 - 128		12/19/20 05:38	8
4-Bromofluorobenzene (Surr)	96		68 - 120		12/19/20 05:38	8
Dibromofluoromethane (Surr)	93		80 - 127		12/19/20 05:38	8
Toluene-d8 (Surr)	99		80 - 120		12/19/20 05:38	8

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.95	0.46	ug/L		12/21/20 05:08	12/24/20 18:35	5
Acenaphthylene	ND		0.95	0.33	ug/L		12/21/20 05:08	12/24/20 18:35	5
Anthracene	ND		0.95	0.28	ug/L		12/21/20 05:08	12/24/20 18:35	5
Benzo[a]anthracene	ND		0.95	0.41	ug/L		12/21/20 05:08	12/24/20 18:35	5
Benzo[a]pyrene	ND		0.95	0.30	ug/L		12/21/20 05:08	12/24/20 18:35	5
Benzo[b]fluoranthene	ND		0.95	0.56	ug/L		12/21/20 05:08	12/24/20 18:35	5
Benzo[g,h,i]perylene	ND		0.95	0.48	ug/L		12/21/20 05:08	12/24/20 18:35	5
Benzo[k]fluoranthene	ND		0.95	0.44	ug/L		12/21/20 05:08	12/24/20 18:35	5
Chrysene	ND		0.95	0.28	ug/L		12/21/20 05:08	12/24/20 18:35	5
Dibenz(a,h)anthracene	ND		0.95	0.55	ug/L		12/21/20 05:08	12/24/20 18:35	5

Eurofins Calscience LLC

Client Sample Results

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

Job ID: 570-46510-1

Client Sample ID: W-MW-3

Lab Sample ID: 570-46510-7

Date Collected: 12/16/20 13:33

Matrix: Water

Date Received: 12/17/20 10:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		0.95	0.32	ug/L		12/21/20 05:08	12/24/20 18:35	5
Fluorene	1.3		0.95	0.36	ug/L		12/21/20 05:08	12/24/20 18:35	5
Indeno[1,2,3-cd]pyrene	ND		0.95	0.50	ug/L		12/21/20 05:08	12/24/20 18:35	5
1-Methylnaphthalene	26	*1	0.95	0.35	ug/L		12/21/20 05:08	12/24/20 18:35	5
2-Methylnaphthalene	30		0.95	0.37	ug/L		12/21/20 05:08	12/24/20 18:35	5
Naphthalene	46		0.95	0.39	ug/L		12/21/20 05:08	12/24/20 18:35	5
Phenanthrene	1.1		0.95	0.35	ug/L		12/21/20 05:08	12/24/20 18:35	5
Pyrene	ND		0.95	0.31	ug/L		12/21/20 05:08	12/24/20 18:35	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	95		33 - 144				12/21/20 05:08	12/24/20 18:35	5
Nitrobenzene-d5 (Surr)	60		28 - 139				12/21/20 05:08	12/24/20 18:35	5
p-Terphenyl-d14 (Surr)	71		23 - 160				12/21/20 05:08	12/24/20 18:35	5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0292	J	0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 10:14	1
Barium	8.65		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 10:14	1
Cadmium	0.00501	J	0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 10:14	1
Chromium	0.00758	J	0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 10:14	1
Lead	0.0164	J	0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 10:14	1
Selenium	ND		0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 10:14	1
Silver	0.00324	J B	0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 10:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	1400		5.00	1.69	mg/L			12/28/20 17:12	1
Total Dissolved Solids	1010		1.00	0.870	mg/L			12/23/20 07:33	1
Chloride	27.8		2.00	0.594	mg/L			12/23/20 19:01	1

Eurofins Calscience LLC

Surrogate Summary

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

Job ID: 570-46510-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (80-128)	BFB (68-120)	DBFM (80-127)	TOL (80-120)
570-46510-1	W-MW-32	90	92	97	99
570-46510-2	W-MW-17	90	96	97	97
570-46510-2 - DL	W-MW-17	104	103	98	98
570-46510-3	W-MW-22	87	93	97	95
570-46510-4	W-MW-11	91	93	96	95
570-46510-5	Trip Blank	91	88	97	99
570-46510-6	W-MW-31	87	97	94	97
570-46510-7	W-MW-3	88	96	93	99
LCS 570-117405/4	Lab Control Sample	88	101	97	100
LCS 570-117950/4	Lab Control Sample	98	106	96	99
LCSD 570-117405/5	Lab Control Sample Dup	87	99	96	100
LCSD 570-117950/5	Lab Control Sample Dup	100	103	99	99
MB 570-117405/8	Method Blank	91	90	96	96
MB 570-117950/8	Method Blank	102	99	94	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

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		FBP (33-144)	NBZ (28-139)	TPHd14 (23-160)
570-46510-1	W-MW-32	71	59	71
570-46510-2	W-MW-17	66	79	64
570-46510-2	W-MW-17	91	63	88
570-46510-3	W-MW-22	62	57	59
570-46510-4	W-MW-11	67	64	44
570-46510-6	W-MW-31	75	74	50
570-46510-7	W-MW-3	95	60	71
LCS 570-117680/2-A	Lab Control Sample	86	62	68
LCSD 570-117680/3-A	Lab Control Sample Dup	67	78	75
MB 570-117680/1-A	Method Blank	84	68	80

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)

NBZ = Nitrobenzene-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: MB 570-117405/8

Matrix: Water

Analysis Batch: 117405

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			12/18/20 22:04	1
Toluene	ND		0.50	0.33	ug/L			12/18/20 22:04	1
Ethylbenzene	ND		0.50	0.36	ug/L			12/18/20 22:04	1
o-Xylene	ND		0.50	0.35	ug/L			12/18/20 22:04	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/18/20 22:04	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/18/20 22:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/18/20 22:04	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/18/20 22:04	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/18/20 22:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/18/20 22:04	1
1,1,2-Trichloroethane	ND		0.50	0.085	ug/L			12/18/20 22:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/18/20 22:04	1
1,1-Dichloroethane	ND		0.50	0.35	ug/L			12/18/20 22:04	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/18/20 22:04	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/18/20 22:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/18/20 22:04	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/18/20 22:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/18/20 22:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/18/20 22:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/18/20 22:04	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/18/20 22:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/18/20 22:04	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/18/20 22:04	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/18/20 22:04	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/18/20 22:04	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/18/20 22:04	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/18/20 22:04	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/18/20 22:04	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/18/20 22:04	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/18/20 22:04	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/18/20 22:04	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/18/20 22:04	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/18/20 22:04	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/18/20 22:04	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/18/20 22:04	1
Acetone	ND		8.0	4.0	ug/L			12/18/20 22:04	1
Bromobenzene	ND		0.50	0.26	ug/L			12/18/20 22:04	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/18/20 22:04	1
Bromoform	ND		0.50	0.39	ug/L			12/18/20 22:04	1
Bromomethane	ND		1.0	0.93	ug/L			12/18/20 22:04	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/18/20 22:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/18/20 22:04	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/18/20 22:04	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/18/20 22:04	1
Chloroethane	ND		0.50	0.44	ug/L			12/18/20 22:04	1
Chloroform	ND		0.50	0.28	ug/L			12/18/20 22:04	1
Chloromethane	ND		1.0	0.29	ug/L			12/18/20 22:04	1
Dibromomethane	ND		0.50	0.23	ug/L			12/18/20 22:04	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: MB 570-117405/8

Matrix: Water

Analysis Batch: 117405

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			12/18/20 22:04	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/18/20 22:04	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/18/20 22:04	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/18/20 22:04	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/18/20 22:04	1
2-Butanone	ND		5.0	3.0	ug/L			12/18/20 22:04	1
Methylene Chloride	ND		1.0	0.48	ug/L			12/18/20 22:04	1
2-Hexanone	ND		6.0	4.3	ug/L			12/18/20 22:04	1
Naphthalene	ND		1.0	0.32	ug/L			12/18/20 22:04	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/18/20 22:04	1
N-Propylbenzene	ND		0.50	0.39	ug/L			12/18/20 22:04	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/18/20 22:04	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 22:04	1
Styrene	ND		0.50	0.28	ug/L			12/18/20 22:04	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/18/20 22:04	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/18/20 22:04	1
Trichloroethene	ND		0.50	0.29	ug/L			12/18/20 22:04	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/18/20 22:04	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/18/20 22:04	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		80 - 128		12/18/20 22:04	1
4-Bromofluorobenzene (Surr)	90		68 - 120		12/18/20 22:04	1
Dibromofluoromethane (Surr)	96		80 - 127		12/18/20 22:04	1
Toluene-d8 (Surr)	96		80 - 120		12/18/20 22:04	1

Lab Sample ID: LCS 570-117405/4

Matrix: Water

Analysis Batch: 117405

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	9.104		ug/L		91	80 - 120
Toluene	10.0	9.257		ug/L		93	80 - 120
Ethylbenzene	10.0	9.337		ug/L		93	80 - 120
o-Xylene	10.0	9.655		ug/L		97	80 - 120
m,p-Xylene	20.0	19.17		ug/L		96	80 - 120
Methyl-t-Butyl Ether (MTBE)	10.0	8.337		ug/L		83	70 - 121
1,1-Dichloroethene	10.0	8.483		ug/L		85	74 - 128
1,2-Dichlorobenzene	10.0	9.591		ug/L		96	80 - 120
1,2-Dichloroethane	10.0	9.148		ug/L		91	80 - 123
Carbon tetrachloride	10.0	9.968		ug/L		100	75 - 142
Chlorobenzene	10.0	9.233		ug/L		92	80 - 120
1,2-Dibromoethane	10.0	9.842		ug/L		98	80 - 120
Hexachloro-1,3-butadiene	10.0	9.944		ug/L		99	80 - 130
Trichloroethene	10.0	9.386		ug/L		94	80 - 120
Vinyl chloride	10.0	8.994		ug/L		90	72 - 126

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: LCS 570-117405/4

Matrix: Water

Analysis Batch: 117405

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	88		80 - 128
4-Bromofluorobenzene (Surr)	101		68 - 120
Dibromofluoromethane (Surr)	97		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-117405/5

Matrix: Water

Analysis Batch: 117405

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	9.618		ug/L		96	80 - 120	5	20
Toluene	10.0	9.856		ug/L		99	80 - 120	6	20
Ethylbenzene	10.0	9.972		ug/L		100	80 - 120	7	20
o-Xylene	10.0	10.08		ug/L		101	80 - 120	4	20
m,p-Xylene	20.0	19.53		ug/L		98	80 - 120	2	20
Methyl-t-Butyl Ether (MTBE)	10.0	8.579		ug/L		86	70 - 121	3	20
1,1-Dichloroethene	10.0	9.070		ug/L		91	74 - 128	7	20
1,2-Dichlorobenzene	10.0	10.03		ug/L		100	80 - 120	4	20
1,2-Dichloroethane	10.0	9.085		ug/L		91	80 - 123	1	20
Carbon tetrachloride	10.0	10.55		ug/L		105	75 - 142	6	20
Chlorobenzene	10.0	9.795		ug/L		98	80 - 120	6	20
1,2-Dibromoethane	10.0	10.02		ug/L		100	80 - 120	2	20
Hexachloro-1,3-butadiene	10.0	10.60		ug/L		106	80 - 130	6	20
Trichloroethene	10.0	9.801		ug/L		98	80 - 120	4	20
Vinyl chloride	10.0	9.620		ug/L		96	72 - 126	7	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	87		80 - 128
4-Bromofluorobenzene (Surr)	99		68 - 120
Dibromofluoromethane (Surr)	96		80 - 127
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: MB 570-117950/8

Matrix: Water

Analysis Batch: 117950

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.36	ug/L			12/21/20 22:56	1

	MB	MB							
Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac			
1,2-Dichloroethane-d4 (Surr)	102		80 - 128		12/21/20 22:56	1			
4-Bromofluorobenzene (Surr)	99		68 - 120		12/21/20 22:56	1			
Dibromofluoromethane (Surr)	94		80 - 127		12/21/20 22:56	1			
Toluene-d8 (Surr)	99		80 - 120		12/21/20 22:56	1			

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: LCS 570-117950/4

Matrix: Water

Analysis Batch: 117950

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	10.0	9.660		ug/L		97	80 - 120
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
1,2-Dichloroethane-d4 (Surr)	98		80 - 128				
4-Bromofluorobenzene (Surr)	106		68 - 120				
Dibromofluoromethane (Surr)	96		80 - 127				
Toluene-d8 (Surr)	99		80 - 120				

Lab Sample ID: LCSD 570-117950/5

Matrix: Water

Analysis Batch: 117950

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	9.744		ug/L		97	80 - 120	1	20
Surrogate	LCSD %Recovery	LCSD Qualifier	Limits						
1,2-Dichloroethane-d4 (Surr)	100		80 - 128						
4-Bromofluorobenzene (Surr)	103		68 - 120						
Dibromofluoromethane (Surr)	99		80 - 127						
Toluene-d8 (Surr)	99		80 - 120						

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

Lab Sample ID: MB 570-117680/1-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117680

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/21/20 05:08	12/23/20 14:28	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/21/20 05:08	12/23/20 14:28	1
Anthracene	ND		0.20	0.059	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/21/20 05:08	12/23/20 14:28	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/21/20 05:08	12/23/20 14:28	1
Chrysene	ND		0.20	0.059	ug/L		12/21/20 05:08	12/23/20 14:28	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/21/20 05:08	12/23/20 14:28	1
Fluoranthene	ND		0.20	0.068	ug/L		12/21/20 05:08	12/23/20 14:28	1
Fluorene	ND		0.20	0.075	ug/L		12/21/20 05:08	12/23/20 14:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/21/20 05:08	12/23/20 14:28	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/21/20 05:08	12/23/20 14:28	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/21/20 05:08	12/23/20 14:28	1
Naphthalene	ND		0.20	0.083	ug/L		12/21/20 05:08	12/23/20 14:28	1
Phenanthrene	ND		0.20	0.073	ug/L		12/21/20 05:08	12/23/20 14:28	1
Pyrene	ND		0.20	0.066	ug/L		12/21/20 05:08	12/23/20 14:28	1

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: MB 570-117680/1-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 117680

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	84		33 - 144	12/21/20 05:08	12/23/20 14:28	1
Nitrobenzene-d5 (Surr)	68		28 - 139	12/21/20 05:08	12/23/20 14:28	1
p-Terphenyl-d14 (Surr)	80		23 - 160	12/21/20 05:08	12/23/20 14:28	1

Lab Sample ID: LCS 570-117680/2-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 117680

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	2.00	1.542		ug/L		77	55 - 121
Acenaphthylene	2.00	1.778		ug/L		89	33 - 145
Anthracene	2.00	1.631		ug/L		82	27 - 133
Benzo[a]anthracene	2.00	1.540		ug/L		77	33 - 143
Benzo[a]pyrene	2.00	1.410		ug/L		70	17 - 163
Benzo[b]fluoranthene	2.00	1.446		ug/L		72	24 - 159
Benzo[g,h,i]perylene	2.00	0.7601		ug/L		38	25 - 157
Benzo[k]fluoranthene	2.00	1.358		ug/L		68	24 - 159
Chrysene	2.00	1.425		ug/L		71	17 - 168
Dibenz(a,h)anthracene	2.00	0.6705		ug/L		34	25 - 175
Fluoranthene	2.00	1.527		ug/L		76	26 - 137
Fluorene	2.00	1.732		ug/L		87	59 - 121
Indeno[1,2,3-cd]pyrene	2.00	0.7812		ug/L		39	25 - 175
1-Methylnaphthalene	2.00	1.319		ug/L		66	20 - 140
2-Methylnaphthalene	2.00	1.456		ug/L		73	21 - 140
Naphthalene	2.00	1.444		ug/L		72	21 - 133
Phenanthrene	2.00	1.399		ug/L		70	54 - 120
Pyrene	2.00	1.426		ug/L		71	45 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-Fluorobiphenyl (Surr)	86		33 - 144
Nitrobenzene-d5 (Surr)	62		28 - 139
p-Terphenyl-d14 (Surr)	68		23 - 160

Lab Sample ID: LCSD 570-117680/3-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	2.00	1.582		ug/L		79	55 - 121	3	25
Acenaphthylene	2.00	1.469		ug/L		73	33 - 145	19	25
Anthracene	2.00	1.791		ug/L		90	27 - 133	9	25
Benzo[a]anthracene	2.00	1.722		ug/L		86	33 - 143	11	25
Benzo[a]pyrene	2.00	1.561		ug/L		78	17 - 163	10	25
Benzo[b]fluoranthene	2.00	1.556		ug/L		78	24 - 159	7	25
Benzo[g,h,i]perylene	2.00	0.8511		ug/L		43	25 - 157	11	25
Benzo[k]fluoranthene	2.00	1.478		ug/L		74	24 - 159	9	25
Chrysene	2.00	1.565		ug/L		78	17 - 168	9	25
Dibenz(a,h)anthracene	2.00	0.7461		ug/L		37	25 - 175	11	25

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: LCSD 570-117680/3-A

Matrix: Water

Analysis Batch: 118210

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 117680

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoranthene	2.00	1.695		ug/L		85	26 - 137	10	25
Fluorene	2.00	1.651		ug/L		83	59 - 121	5	25
Indeno[1,2,3-cd]pyrene	2.00	0.8702		ug/L		44	25 - 175	11	25
1-Methylnaphthalene	2.00	1.754	*1	ug/L		88	20 - 140	28	25
2-Methylnaphthalene	2.00	1.653		ug/L		83	21 - 140	13	25
Naphthalene	2.00	1.655		ug/L		83	21 - 133	14	25
Phenanthrene	2.00	1.542		ug/L		77	54 - 120	10	25
Pyrene	2.00	1.564		ug/L		78	45 - 129	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-Fluorobiphenyl (Surr)	67		33 - 144
Nitrobenzene-d5 (Surr)	78		28 - 139
p-Terphenyl-d14 (Surr)	75		23 - 160

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 570-119751/1-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119751

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0181	mg/L		12/31/20 10:50	01/04/21 09:33	1
Barium	ND		0.0100	0.00308	mg/L		12/31/20 10:50	01/04/21 09:33	1
Cadmium	ND		0.0100	0.00210	mg/L		12/31/20 10:50	01/04/21 09:33	1
Chromium	ND		0.0500	0.00688	mg/L		12/31/20 10:50	01/04/21 09:33	1
Lead	ND		0.0500	0.00821	mg/L		12/31/20 10:50	01/04/21 09:33	1
Selenium	0.02753	J	0.100	0.0244	mg/L		12/31/20 10:50	01/04/21 09:33	1
Silver	0.003734	J	0.0100	0.00298	mg/L		12/31/20 10:50	01/04/21 09:33	1

Lab Sample ID: LCS 570-119751/2-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.500	0.4621		mg/L		92	80 - 120
Barium	0.500	0.5330		mg/L		107	80 - 120
Cadmium	0.500	0.4817		mg/L		96	80 - 120
Chromium	0.500	0.4895		mg/L		98	80 - 120
Lead	0.500	0.5005		mg/L		100	80 - 120
Selenium	0.500	0.4711		mg/L		94	80 - 120
Silver	0.250	0.2415		mg/L		97	80 - 120

Lab Sample ID: LCSD 570-119751/3-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.500	0.4620		mg/L		92	80 - 120	0	20
Barium	0.500	0.5357		mg/L		107	80 - 120	0	20

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: LCSD 570-119751/3-A

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.500	0.4839		mg/L		97	80 - 120	0	20
Chromium	0.500	0.4887		mg/L		98	80 - 120	0	20
Lead	0.500	0.5009		mg/L		100	80 - 120	0	20
Selenium	0.500	0.4994		mg/L		100	80 - 120	6	20
Silver	0.250	0.2426		mg/L		97	80 - 120	0	20

Lab Sample ID: 570-46505-E-1-C MS

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5184		mg/L		104	80 - 140		
Barium	0.0860	F1	0.500	0.7876	F1	mg/L		140	87 - 123		
Cadmium	0.00321	J	0.500	0.5095		mg/L		101	82 - 124		
Chromium	0.0451	J	0.500	0.5470		mg/L		100	86 - 122		
Lead	0.0198	J	0.500	0.5357		mg/L		103	84 - 120		
Selenium	ND		0.500	0.4512		mg/L		90	79 - 127		
Silver	ND	F1	0.250	0.05325	F1	mg/L		21	86 - 128		

Lab Sample ID: 570-46505-E-1-D MSD

Matrix: Water

Analysis Batch: 120135

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 119751

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.5363		mg/L		107	80 - 140	3	11
Barium	0.0860	F1	0.500	0.7867	F1	mg/L		140	87 - 123	0	6
Cadmium	0.00321	J	0.500	0.5098		mg/L		101	82 - 124	0	7
Chromium	0.0451	J	0.500	0.5485		mg/L		101	86 - 122	0	8
Lead	0.0198	J	0.500	0.5302		mg/L		102	84 - 120	1	7
Selenium	ND		0.500	0.4382		mg/L		88	79 - 127	3	9
Silver	ND	F1	0.250	0.05387	F1	mg/L		22	86 - 128	1	7

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 570-119753/1-A

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 119753

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000500	0.000141	mg/L		12/31/20 10:55	01/04/21 12:18	1

Lab Sample ID: LCS 570-119753/2-A

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 119753

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.009364		mg/L		94	80 - 120		

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCSD 570-119753/3-A

Matrix: Water

Analysis Batch: 120079

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 119753

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.009410		mg/L		94	80 - 120	0	20

Lab Sample ID: 570-46510-1 MS

Matrix: Water

Analysis Batch: 120079

Client Sample ID: W-MW-32

Prep Type: Total/NA

Prep Batch: 119753

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.008395		mg/L		84	55 - 133		

Lab Sample ID: 570-46510-1 MSD

Matrix: Water

Analysis Batch: 120079

Client Sample ID: W-MW-32

Prep Type: Total/NA

Prep Batch: 119753

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.008369		mg/L		84	55 - 133	0	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 570-119016/10

Matrix: Water

Analysis Batch: 119016

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			12/28/20 15:36	1

Lab Sample ID: LCS 570-119016/8

Matrix: Water

Analysis Batch: 119016

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	100	101.4		mg/L		101	80 - 120		

Lab Sample ID: LCSD 570-119016/9

Matrix: Water

Analysis Batch: 119016

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	84.68		mg/L		85	80 - 120	18	20

Lab Sample ID: 570-46505-D-1 DU

Matrix: Water

Analysis Batch: 119016

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)	415		416.4		mg/L		0.4	25

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: MB 570-118356/1

Matrix: Water

Analysis Batch: 118356

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			12/23/20 07:33	1

Lab Sample ID: LCS 570-118356/2

Matrix: Water

Analysis Batch: 118356

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	100	95.00		mg/L		95	84 - 108

Lab Sample ID: LCSD 570-118356/3

Matrix: Water

Analysis Batch: 118356

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Dissolved Solids	100	90.00		mg/L		90	84 - 108	5	10

Lab Sample ID: 570-46708-E-1 DU

Matrix: Water

Analysis Batch: 118356

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	1040		1100		mg/L		6	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-118616/1

Matrix: Water

Analysis Batch: 118616

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.594	mg/L			12/23/20 19:01	1

Lab Sample ID: LCS 570-118616/2

Matrix: Water

Analysis Batch: 118616

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	105.5		mg/L		106	91 - 114

Lab Sample ID: LCSD 570-118616/3

Matrix: Water

Analysis Batch: 118616

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	105.5		mg/L		106	91 - 114	0	4

Eurofins Calscience LLC

QC Sample Results

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

Job ID: 570-46510-1

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

Lab Sample ID: 570-46505-D-1 MS Matrix: Water Analysis Batch: 118616										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	40.9		100	145.6		mg/L		105	91 - 115				

Lab Sample ID: 570-46505-D-1 MSD Matrix: Water Analysis Batch: 118616										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	40.9		100	147.1		mg/L		106	91 - 115	1	4		

Lab Sample ID: 570-46505-D-1 DU Matrix: Water Analysis Batch: 118616										Client Sample ID: Duplicate Prep Type: Total/NA			
Analyte	Sample Result	Sample Qualifier			DU Result	DU Qualifier	Unit	D			RPD	RPD Limit	
Chloride	40.9				39.87		mg/L				2	25	

QC Association Summary

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

Job ID: 570-46510-1

GC/MS VOA

Analysis Batch: 117405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	8260B	
570-46510-2	W-MW-17	Total/NA	Water	8260B	
570-46510-3	W-MW-22	Total/NA	Water	8260B	
570-46510-4	W-MW-11	Total/NA	Water	8260B	
570-46510-5	Trip Blank	Total/NA	Water	8260B	
570-46510-6	W-MW-31	Total/NA	Water	8260B	
570-46510-7	W-MW-3	Total/NA	Water	8260B	
MB 570-117405/8	Method Blank	Total/NA	Water	8260B	
LCS 570-117405/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-117405/5	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 117950

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-2 - DL	W-MW-17	Total/NA	Water	8260B	
MB 570-117950/8	Method Blank	Total/NA	Water	8260B	
LCS 570-117950/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-117950/5	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 117680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	3510C	
570-46510-2	W-MW-17	Total/NA	Water	3510C	
570-46510-3	W-MW-22	Total/NA	Water	3510C	
570-46510-4	W-MW-11	Total/NA	Water	3510C	
570-46510-6	W-MW-31	Total/NA	Water	3510C	
570-46510-7	W-MW-3	Total/NA	Water	3510C	
MB 570-117680/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-117680/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-117680/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 118210

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-117680/1-A	Method Blank	Total/NA	Water	8270C SIM	117680
LCS 570-117680/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	117680
LCSD 570-117680/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	117680

Analysis Batch: 118559

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	8270C SIM	117680
570-46510-2	W-MW-17	Total/NA	Water	8270C SIM	117680
570-46510-3	W-MW-22	Total/NA	Water	8270C SIM	117680
570-46510-4	W-MW-11	Total/NA	Water	8270C SIM	117680
570-46510-6	W-MW-31	Total/NA	Water	8270C SIM	117680

Analysis Batch: 118676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-2	W-MW-17	Total/NA	Water	8270C SIM	117680
570-46510-7	W-MW-3	Total/NA	Water	8270C SIM	117680

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-46510-1

Metals

Prep Batch: 119751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	3010A	
570-46510-2	W-MW-17	Total/NA	Water	3010A	
570-46510-3	W-MW-22	Total/NA	Water	3010A	
570-46510-4	W-MW-11	Total/NA	Water	3010A	
570-46510-6	W-MW-31	Total/NA	Water	3010A	
570-46510-7	W-MW-3	Total/NA	Water	3010A	
MB 570-119751/1-A	Method Blank	Total/NA	Water	3010A	
LCS 570-119751/2-A	Lab Control Sample	Total/NA	Water	3010A	
LCSD 570-119751/3-A	Lab Control Sample Dup	Total/NA	Water	3010A	
570-46505-E-1-C MS	Matrix Spike	Total/NA	Water	3010A	
570-46505-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	

Prep Batch: 119753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	7470A	
570-46510-2	W-MW-17	Total/NA	Water	7470A	
570-46510-3	W-MW-22	Total/NA	Water	7470A	
570-46510-4	W-MW-11	Total/NA	Water	7470A	
570-46510-6	W-MW-31	Total/NA	Water	7470A	
570-46510-7	W-MW-3	Total/NA	Water	7470A	
MB 570-119753/1-A	Method Blank	Total/NA	Water	7470A	
LCS 570-119753/2-A	Lab Control Sample	Total/NA	Water	7470A	
LCSD 570-119753/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	
570-46510-1 MS	W-MW-32	Total/NA	Water	7470A	
570-46510-1 MSD	W-MW-32	Total/NA	Water	7470A	

Analysis Batch: 120079

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	7470A	119753
570-46510-2	W-MW-17	Total/NA	Water	7470A	119753
570-46510-3	W-MW-22	Total/NA	Water	7470A	119753
570-46510-4	W-MW-11	Total/NA	Water	7470A	119753
570-46510-6	W-MW-31	Total/NA	Water	7470A	119753
570-46510-7	W-MW-3	Total/NA	Water	7470A	119753
MB 570-119753/1-A	Method Blank	Total/NA	Water	7470A	119753
LCS 570-119753/2-A	Lab Control Sample	Total/NA	Water	7470A	119753
LCSD 570-119753/3-A	Lab Control Sample Dup	Total/NA	Water	7470A	119753
570-46510-1 MS	W-MW-32	Total/NA	Water	7470A	119753
570-46510-1 MSD	W-MW-32	Total/NA	Water	7470A	119753

Analysis Batch: 120135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	6010B	119751
570-46510-2	W-MW-17	Total/NA	Water	6010B	119751
570-46510-3	W-MW-22	Total/NA	Water	6010B	119751
570-46510-4	W-MW-11	Total/NA	Water	6010B	119751
570-46510-6	W-MW-31	Total/NA	Water	6010B	119751
570-46510-7	W-MW-3	Total/NA	Water	6010B	119751
MB 570-119751/1-A	Method Blank	Total/NA	Water	6010B	119751
LCS 570-119751/2-A	Lab Control Sample	Total/NA	Water	6010B	119751
LCSD 570-119751/3-A	Lab Control Sample Dup	Total/NA	Water	6010B	119751

Eurofins Calscience LLC

QC Association Summary

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

Job ID: 570-46510-1

Metals (Continued)

Analysis Batch: 120135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46505-E-1-C MS	Matrix Spike	Total/NA	Water	6010B	119751
570-46505-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	119751

General Chemistry

Analysis Batch: 118356

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	SM 2540C	
570-46510-2	W-MW-17	Total/NA	Water	SM 2540C	
570-46510-3	W-MW-22	Total/NA	Water	SM 2540C	
570-46510-4	W-MW-11	Total/NA	Water	SM 2540C	
570-46510-6	W-MW-31	Total/NA	Water	SM 2540C	
570-46510-7	W-MW-3	Total/NA	Water	SM 2540C	
MB 570-118356/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-118356/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-118356/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-46708-E-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 118616

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	SM 4500 Cl- C	
570-46510-2	W-MW-17	Total/NA	Water	SM 4500 Cl- C	
570-46510-3	W-MW-22	Total/NA	Water	SM 4500 Cl- C	
570-46510-4	W-MW-11	Total/NA	Water	SM 4500 Cl- C	
570-46510-6	W-MW-31	Total/NA	Water	SM 4500 Cl- C	
570-46510-7	W-MW-3	Total/NA	Water	SM 4500 Cl- C	
MB 570-118616/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-118616/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-118616/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-46505-D-1 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-46505-D-1 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-46505-D-1 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 119016

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-46510-1	W-MW-32	Total/NA	Water	SM 2320B	
570-46510-2	W-MW-17	Total/NA	Water	SM 2320B	
570-46510-3	W-MW-22	Total/NA	Water	SM 2320B	
570-46510-4	W-MW-11	Total/NA	Water	SM 2320B	
570-46510-6	W-MW-31	Total/NA	Water	SM 2320B	
570-46510-7	W-MW-3	Total/NA	Water	SM 2320B	
MB 570-119016/10	Method Blank	Total/NA	Water	SM 2320B	
LCS 570-119016/8	Lab Control Sample	Total/NA	Water	SM 2320B	
LCSD 570-119016/9	Lab Control Sample Dup	Total/NA	Water	SM 2320B	
570-46505-D-1 DU	Duplicate	Total/NA	Water	SM 2320B	

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-46510-1

Client Sample ID: W-MW-32

Lab Sample ID: 570-46510-1

Date Collected: 12/16/20 08:13

Matrix: Water

Date Received: 12/17/20 10:40

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	117405	12/19/20 01:11	OH1	ECL 2
		Instrument ID: GCMSUU								
Total/NA	Prep	3510C			1053.3 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 20:53	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 10:04	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119753	12/31/20 10:55	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120079	01/04/21 12:23	MD3A	ECL 1
		Instrument ID: HG7								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:31	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	118356	12/23/20 07:33	ULIN	ECL 1
		Instrument ID: BAL87								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Client Sample ID: W-MW-17

Lab Sample ID: 570-46510-2

Date Collected: 12/16/20 09:10

Matrix: Water

Date Received: 12/17/20 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		4	20 mL	20 mL	117405	12/19/20 05:12	OH1	ECL 2
		Instrument ID: GCMSUU								
Total/NA	Analysis	8260B	DL	40	20 mL	20 mL	117950	12/22/20 02:21	UJHB	ECL 2
		Instrument ID: GCMSVV								
Total/NA	Prep	3510C			1051.8 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 21:13	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3510C			1051.8 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		5			118676	12/24/20 18:14	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 10:06	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119753	12/31/20 10:55	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120079	01/04/21 12:29	MD3A	ECL 1
		Instrument ID: HG7								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:39	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	118356	12/23/20 07:33	ULIN	ECL 1
		Instrument ID: BAL87								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-46510-1

Client Sample ID: W-MW-22

Lab Sample ID: 570-46510-3

Date Collected: 12/16/20 10:26

Matrix: Water

Date Received: 12/17/20 10:40

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	117405	12/19/20 01:38	OH1	ECL 2
		Instrument ID: GCMSUU								
Total/NA	Prep	3510C			1051.2 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 21:34	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 10:08	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119753	12/31/20 10:55	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120079	01/04/21 12:31	MD3A	ECL 1
		Instrument ID: HG7								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:45	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	118356	12/23/20 07:33	ULIN	ECL 1
		Instrument ID: BAL87								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Client Sample ID: W-MW-11

Lab Sample ID: 570-46510-4

Date Collected: 12/16/20 11:37

Matrix: Water

Date Received: 12/17/20 10:40

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	117405	12/19/20 02:04	OH1	ECL 2
		Instrument ID: GCMSUU								
Total/NA	Prep	3510C			1051.3 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 21:54	ULLI	ECL 1
		Instrument ID: GCMSEEE								
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 10:10	ULPF	ECL 1
		Instrument ID: ICP8								
Total/NA	Prep	7470A			50 mL	100 mL	119753	12/31/20 10:55	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120079	01/04/21 12:33	MD3A	ECL 1
		Instrument ID: HG7								
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 16:57	UAPD	ECL 1
		Instrument ID: ManSciMantech								
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	118356	12/23/20 07:33	ULIN	ECL 1
		Instrument ID: BAL87								
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
		Instrument ID: NoEquip								

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-46510-1

Client Sample ID: Trip Blank

Lab Sample ID: 570-46510-5

Date Collected: 12/16/20 00:00

Matrix: Water

Date Received: 12/17/20 10:40

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	117405	12/18/20 22:31	OH1	ECL 2
Instrument ID: GCMSUU										

Client Sample ID: W-MW-31

Lab Sample ID: 570-46510-6

Date Collected: 12/16/20 12:31

Matrix: Water

Date Received: 12/17/20 10:40

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	117405	12/19/20 02:31	OH1	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			1052.4 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		1			118559	12/23/20 22:15	ULLI	ECL 1
Instrument ID: GCMSEEE										
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 10:12	ULPF	ECL 1
Instrument ID: ICP8										
Total/NA	Prep	7470A			50 mL	100 mL	119753	12/31/20 10:55	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120079	01/04/21 12:34	MD3A	ECL 1
Instrument ID: HG7										
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 17:03	UAPD	ECL 1
Instrument ID: ManSciMantech										
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	118356	12/23/20 07:33	ULIN	ECL 1
Instrument ID: BAL87										
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	WN6Y	ECL 1
Instrument ID: NoEquip										

Client Sample ID: W-MW-3

Lab Sample ID: 570-46510-7

Date Collected: 12/16/20 13:33

Matrix: Water

Date Received: 12/17/20 10:40

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		8	20 mL	20 mL	117405	12/19/20 05:38	OH1	ECL 2
Instrument ID: GCMSUU										
Total/NA	Prep	3510C			1052.3 mL	2 mL	117680	12/21/20 05:08		ECL 1
Total/NA	Analysis	8270C SIM		5			118676	12/24/20 18:35	ULLI	ECL 1
Instrument ID: GCMSEEE										
Total/NA	Prep	3010A			50 mL	50 mL	119751	12/31/20 10:50	WL8G	ECL 1
Total/NA	Analysis	6010B		1			120135	01/04/21 10:14	ULPF	ECL 1
Instrument ID: ICP8										
Total/NA	Prep	7470A			50 mL	100 mL	119753	12/31/20 10:55	WL8G	ECL 1
Total/NA	Analysis	7470A		1			120079	01/04/21 12:40	MD3A	ECL 1
Instrument ID: HG7										
Total/NA	Analysis	SM 2320B		1	35 mL	35 mL	119016	12/28/20 17:12	UAPD	ECL 1
Instrument ID: ManSciMantech										

Eurofins Calscience LLC

Lab Chronicle

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

Job ID: 570-46510-1

Client Sample ID: W-MW-3
Date Collected: 12/16/20 13:33
Date Received: 12/17/20 10:40

Lab Sample ID: 570-46510-7
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	SM 2540C		1	20 mL	20 mL	118356	12/23/20 07:33	ULIN	ECL 1
Total/NA	Analysis	SM 4500 CI- C		1	50 mL	50 mL	118616	12/23/20 19:01	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
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-46510-1

Laboratory: Eurofins Calscience LLC

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

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

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

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

Job ID: 570-46510-1

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

Protocol References:

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

Eurofins Calscience LLC

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-46510-1

Login Number: 46510

List Number: 1

Creator: Patel, Jayesh

List Source: Eurofins Calscience

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

APPENDIX C

WASTE DISPOSAL DOCUMENTATION

ALAMO 1**BILL OF LADING**

AR20-00485

GENERATOR**GENERATING NAME AND ADDRESS:**

ExxonMobil Production Company
4572 Telephone Road, #916
Ventura, CA 93003
PHONE NO: (805) 644-4157

GENERATING LOCATION/ADDRESS:

ExxonMobil Production Company – Gladiola Station
Copeland Rd, 3 miles N of the Intersection of Copeland Rd & Hwy 39
Tatum, NM 88267
PHONE NO: (805) 644-4157

GENERATOR'S US EPA ID NO:**STATE GENERATOR'S ID:**

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS		TYPE
				NO.	TYPE	
LNAPL/Purge Water	N/A	70	G	2	D	D - DRUM
						C - CARTON
						B - BAG
						T - TRUCK
						P - POUNDS
						Y - YARDS
						O - OTHER

GENERATOR AUTHORIZED AGENT NAME:**SIGNATURE:****SHIPMENT DATE:**

CARDNO INC For Exxon Mobil

TRANSPORTER**TRUCK NO:****PHONE NO:**

(800) 322-5085

TRANSPORTER NAME:**DRIVER NAME (PRINT):**

Alamo1

Justin Newman

ADDRESS:

2900 Nacogdoches Road
San Antonio, TX 78217

VEHICLE LICENSE NO./STATE:**VEHICLE CERTIFICATION:**

US EPA ID NO: TX0000359190

STATE TRANSPORTER'S ID: 87517

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

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

DRIVER SIGNATURE:**SHIPMENT DATE:****DRIVER SIGNATURE:****SHIPMENT DATE:**

Justin Newman

12-17-2020

Justin Newman

12-17-2020

DESTINATION**SITE NAME:**

Sundance Services, Inc.

PHONE NO:

(575) 408-2606

ADDRESS:

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

US EPA ID NO:

STATE FACILITIES ID:

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

NAME OF AUTHORIZED AGENT:**SIGNATURE:****RECEIPT DATE:**

AUP

AUP

12-17-20

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 409549

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409549
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Second Half 2020 Groundwater Monitoring Report, App ID 409549, accepted for the record. Former Gladiola Station.	12/11/2024