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Homero Gonzalez
Project Manager

June 21, 2022

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

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

Dear Mr. Billings:

Attached for your review and comment is a copy of the report entitled ***Second Half 2021 Groundwater Monitoring Report,*** dated June 21, 2022, for the above-referenced site. The report was prepared by Cardno of Santa Ana, California, and details activities at the subject site.

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

Sincerely,

Homero Gonzalez
Project Manager

Attachment: Cardno's ***Second Half 2021 Groundwater Monitoring Report,*** dated June 21, 2022

cc: Mr. James Anderson, Cardno

Cardno

now

Stantec

June 21, 2022
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Mr. Bradford Billings
State of New Mexico
Oil Conservation Division
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505

SUBJECT **Second Half 2021 Groundwater Monitoring and Status Report**
Former 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 LLC, Cardno, now Stantec, is submitting the *Second Half 2021 Groundwater Monitoring and Status Report* for the subject site. The format used for the report consolidates groundwater sampling (where applicable) and consultant progress updates into one summary report.

Please call the undersigned at 805.701.1420 if you have questions.

Sincerely,

James Anderson

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

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

Second Half 2021 Groundwater Monitoring and Status Report

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

Cardno 01361204.2H21

Prepared for
ExxonMobil Environmental and Property Solutions Company

June 21, 2022

Cardno

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Second Half 2021 Groundwater Monitoring and Status Report

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Lea County, New Mexico
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June 21, 2022

James Anderson
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1 Introduction

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

2 Site Description

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

3 Geology and Hydrogeology

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

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

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

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

4 Regulatory Framework and Site Classification

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

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

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

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

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

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

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

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

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

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

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

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

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

5 Previous Work

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

5.1 Pumping Station Activities

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

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

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

theorized that observation of NAPL in wells MW-13, MW-15, and MW-24 could be indicative of a third release of crude oil.

5.2 Site Assessment Activities

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

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

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

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

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

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

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

5.3 Remediation Activities

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

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

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

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

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

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

5.4 Groundwater Monitoring Activities

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

December 14-17, 2020. Cardno conducted a groundwater monitoring and sampling event at the site and bailed 15.75 gallons of a NAPL-water mixture from wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-21, and MW-23 through MW-26 (Cardno, 2021a).

June 1-July 1, 2021. Cardno conducted a groundwater monitoring and sampling event at the site and bailed 15.5 gallons of a NAPL-water mixture from wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18, MW-20, MW-21, and MW-23 through MW-26 (Cardno, 2021b).

6 Field Activities

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

6.1 Well Installation and Development

On October 12, 2021, Cascade Drilling mobilized to the site and attempted to install a new monitoring well to the northeast of well MW26 to delineate the extent of LNAPL. The hollow-stem auger drill rig encountered refusal before achieving the required depth to install a monitoring well; therefore, the well could not be installed.

On October 13, 2021, Cascade Drilling redeveloped groundwater monitoring well MW2 by bailing groundwater, LNAPL and sediment from the well, and was successful in returning the well to the sampling program.

6.2 Monitoring Well Gauging and Purging

On December 20, 2021, monitoring wells MW-1 through MW-32 were gauged with the exception of well MW-8. Monitoring well MW-8 was not located and is presumed to have been destroyed in 2013.

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

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

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

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

6.3 Monitoring Well Sampling

On December 21 and 22, 2021, groundwater samples were collected from the monitoring wells without NAPL.

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

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

The samples were analyzed for VOCs using EPA Method 8260B, PAHs using EPA Method 8270C, RCRA metals using EPA Method 6010B and EPA Method 7470A, chloride using Standard Method 4500 CI-E, and total dissolved solids using Standard Method 2540C.

6.4 NAPL Bailing

On December 20 and 22, 2021, NAPL was bailed from the wells with NAPL, as detailed in the following table.

NAPL Bailed from Site Wells

Well	Oil Removed (gallons)	Water Removed (gallons)	Total Oil-Water Mixture Removed (gallons)
MW-1	0.25	0.50	0.75
MW-2	---	1.50	1.50
MW-4	0.25	0.25	0.50
MW-5	0.125	0.75	0.88
MW-9	0.125	0.375	0.500
MW-12	0.25	1.25	1.50
MW-13	0.25	1.75	2.00
MW-14	0.25	1.50	1.75
MW-15	0.125	1.25	1.38
MW-16	0.25	0.50	0.75
MW-18	1.00	1.50	2.50
MW-19	0.25	1.75	2.00
MW-20	0.25	1.25	1.50
MW-21	0.125	0.50	0.63
MW-23	0.125	0.50	0.63
MW-24	0.25	0.50	0.75
MW-25	0.25	0.75	1.00
MW-26	1.0	0.50	1.50
Total	**5.1**	**16.88**	**22.00**

6.5 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-2, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18 through MW-21, and MW-23 through MW-26. NAPL thickness ranged from 0.07 foot (MW-2) to 1.67 feet (MW-26).

Measured groundwater levels in the wells ranged from 36.42 feet below TOC (well MW-3) to 41.88 feet below TOC (MW-10). The groundwater flow direction was to the northeast (Plate 3). The groundwater surface elevations and NAPL thicknesses for the monitoring wells are summarized in Table 1 and illustrated on the depth to water versus time Graphs MW-1 through MW-32.

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

- **MW-3:** Benzene, barium, total naphthalene, and total dissolved solids (third time well has been sampled since 2009 due to the presence of NAPL).
- **MW-11:** Total dissolved solids (stable trend).
- **MW-17:** Benzene, ethylbenzene, total naphthalene, barium, and total dissolved solids (stable trend).
- **MW-22:** Barium (increasing trend).
- **MW-27:** Chloride and total dissolved solids (stable trend).
- **MW-28:** Total dissolved solids (stable trend).

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

8 Conclusions

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

NAPL thickness measurements in the monitoring wells showed a stable to decreasing trend as compared to historical results, with the exception of well MW-18, which has an increasing trend, and well MW-19, where LNAPL was detected for the second consecutive sampling event. The lateral assessment of NAPL and dissolved-phase hydrocarbon constituents of concern are delineated with the exceptions of to the southeast of well MW-3, south and southwest of well MW-19, north of well MW-26 and south of well MW-16.

Concentrations in the wells were consistent with historical results.

9 Recommendations and Work in Progress

Cardno recommends the following during 2022:

- Remobilizing an air rotary drill rig to perform additional assessment to delineate the lateral and downgradient extents of LNAPL.
- Continuing semi-annual groundwater monitoring at the site.
- Submitting this groundwater monitoring report.
- Conducting further investigation of the source(s) of the LNAPL.

10 Contact Information

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

The consultant contact is Mr. James Anderson, Cardno, 4572 Telephone Road #916, Ventura, California, 93003.

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

11 Limitations

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

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

12 References

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

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Cardno. June 29, 2020. *First and Second Quarter 2020 Groundwater Monitoring Report*, *Gladiola Station, Lea County, New Mexico.*

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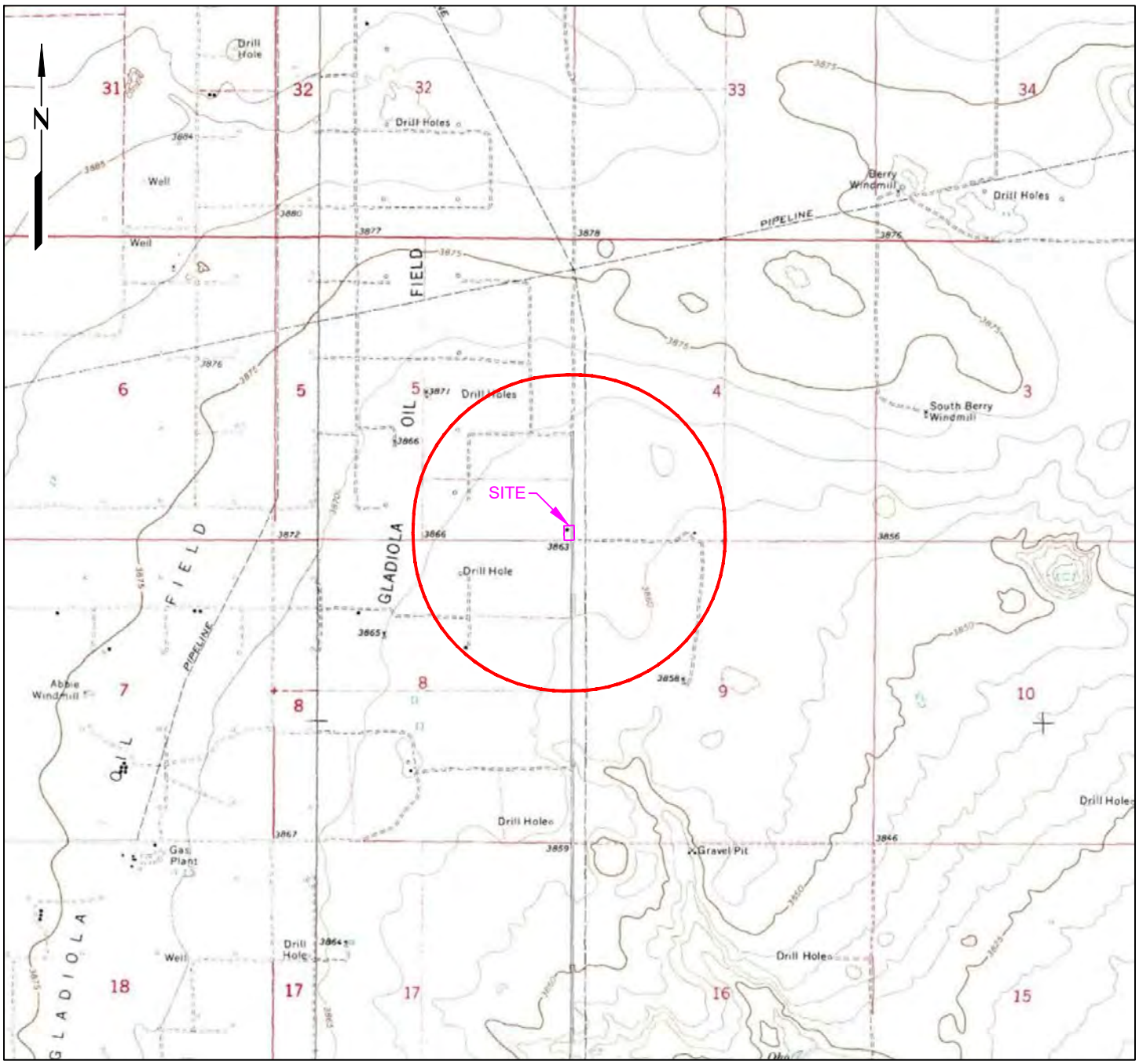
New Mexico Oil Conservation Division (NMOCD). December 7, 2020. Electronic correspondence from Bradford Billings of NMOCD to Marla Madden of ExxonMobil and James Anderson of Cardno. "Subject: RE Notification of 2H20 Groundwater Monitoring Event for ExxonMobil Gladiola Station OCD No. AP038."

13 Acronym List

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



FN 3612.TOPO02

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

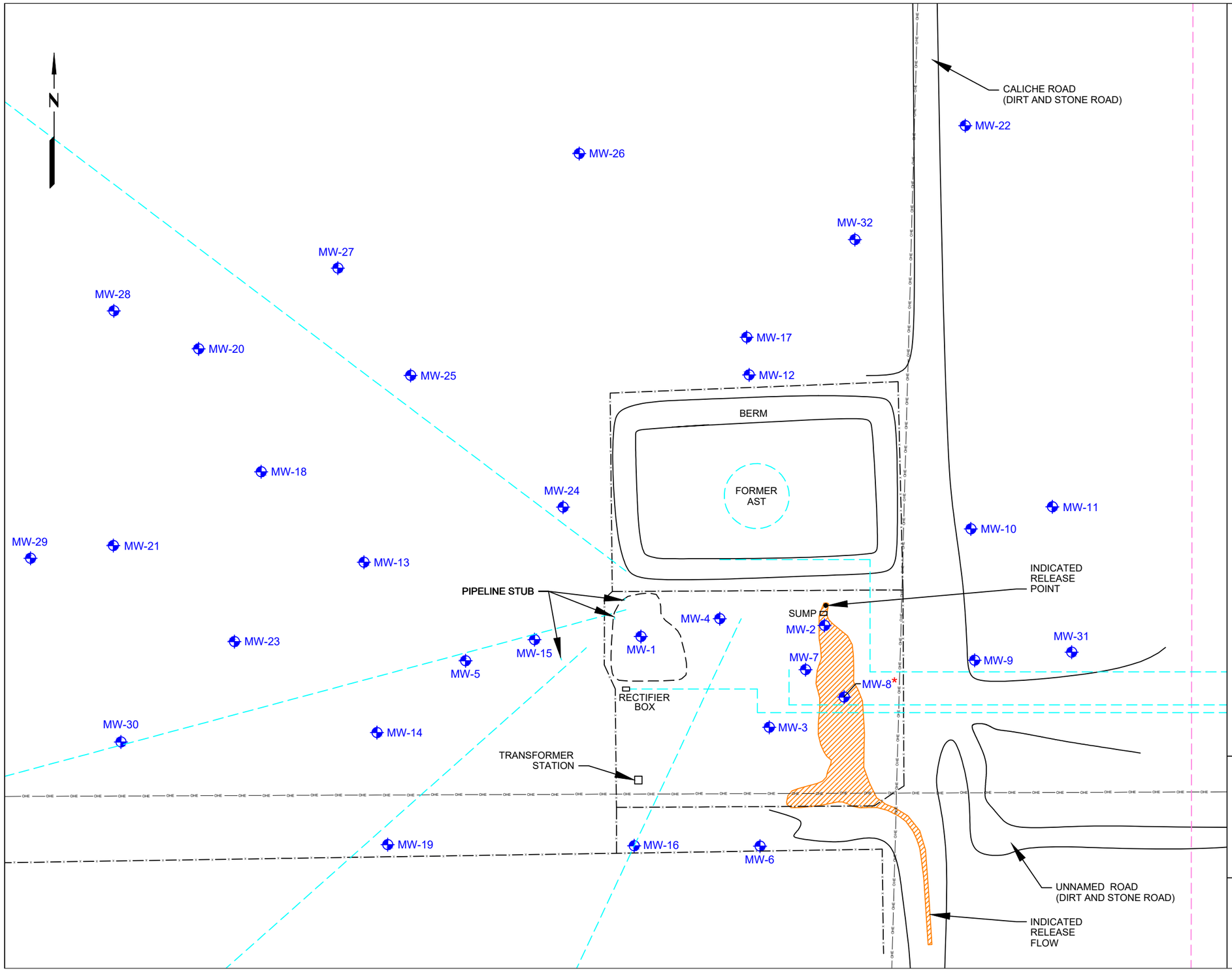
SOURCE: Modified from a map provided by MapPass

Cardno now Stantec

SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO.
3612
PLATE
1



EXPLANATION

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

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

APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GENERALIZED SITE PLAN

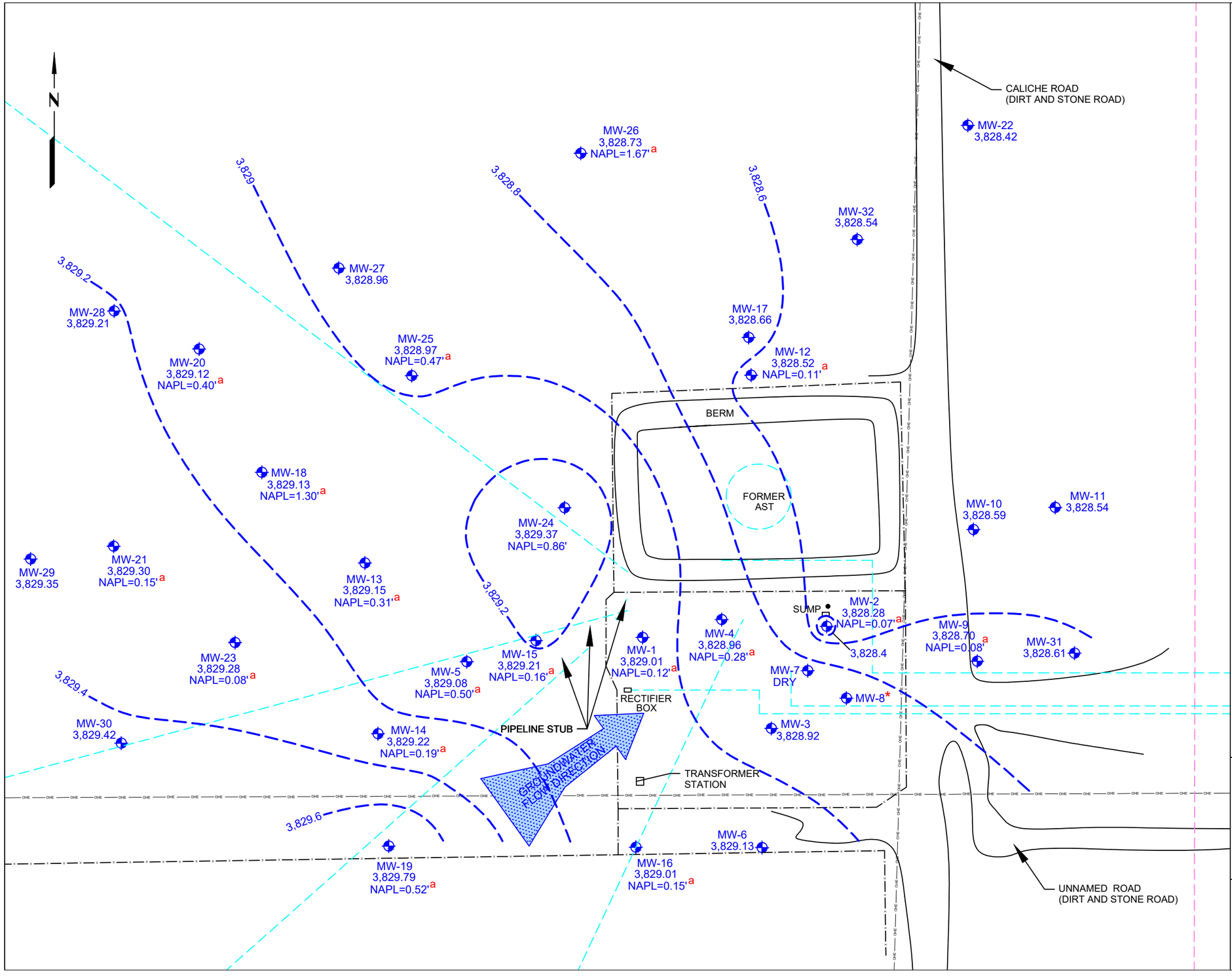
GLADIOLA STATION
Lea County, New Mexico

Cardno now Stantec

PROJECT NO. 3612

PLATE 2

DATE: 02/18/22



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
	Groundwater elevation in feet relative to mean sea level
a	Groundwater elevation is adjusted for NAPL thickness using a relative density of 0.83
NAPL=1.67'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
Modified from maps provided by
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APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ELEVATION MAP 12/20/21

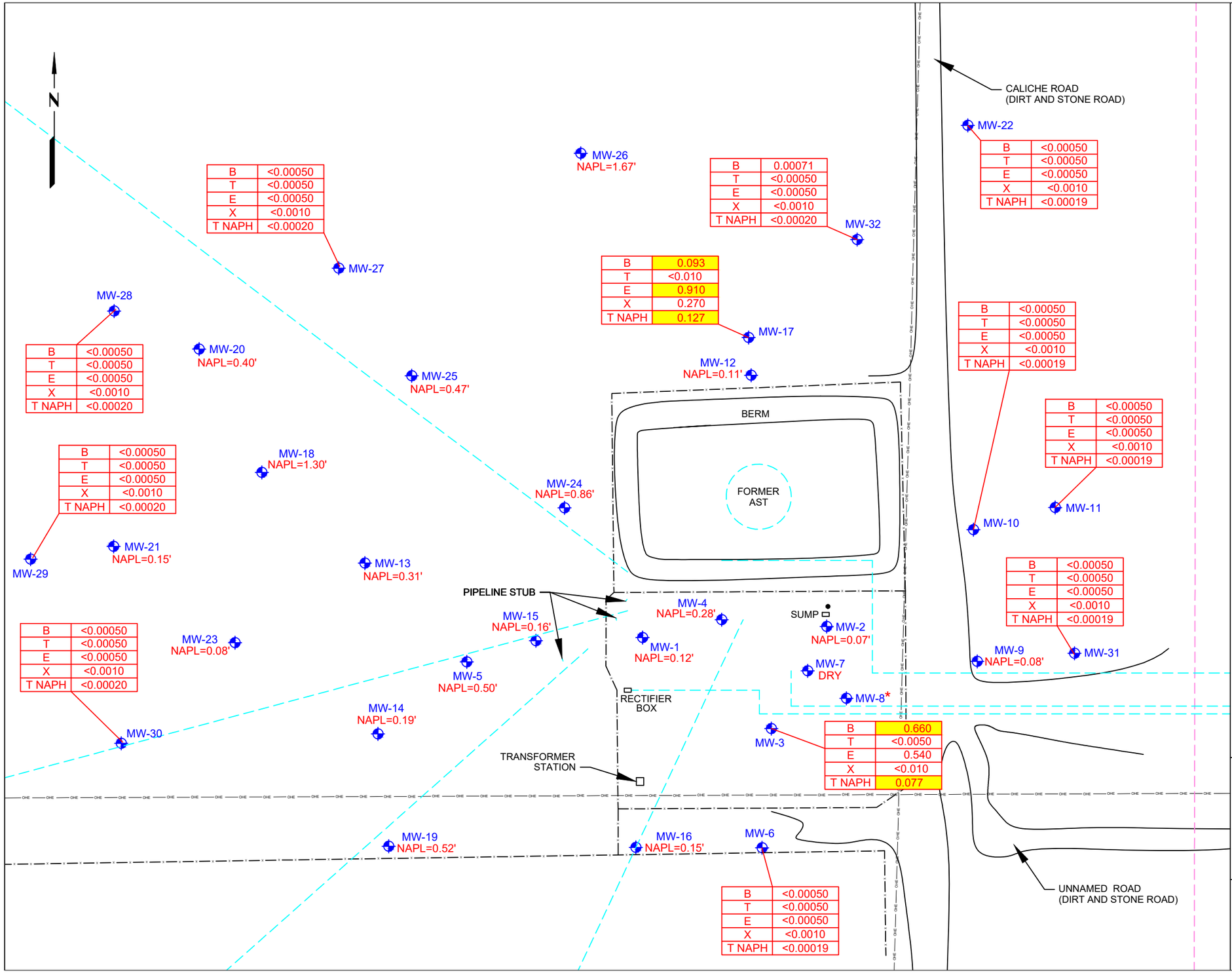
GLADIOLA STATION
Lea County, New Mexico

Cardno now Stantec

PROJECT NO. 3612

PLATE 3

DATE: 02/18/22



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
NAPL=1.67'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
0.910	Exceeds NMED WQCC HHS (0.01 mg/l for benzene) (0.03 mg/l for total naphthalene)

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

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

SOURCE:
Modified from maps provided by
Groundwater & Environmental Services, Inc.
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APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS

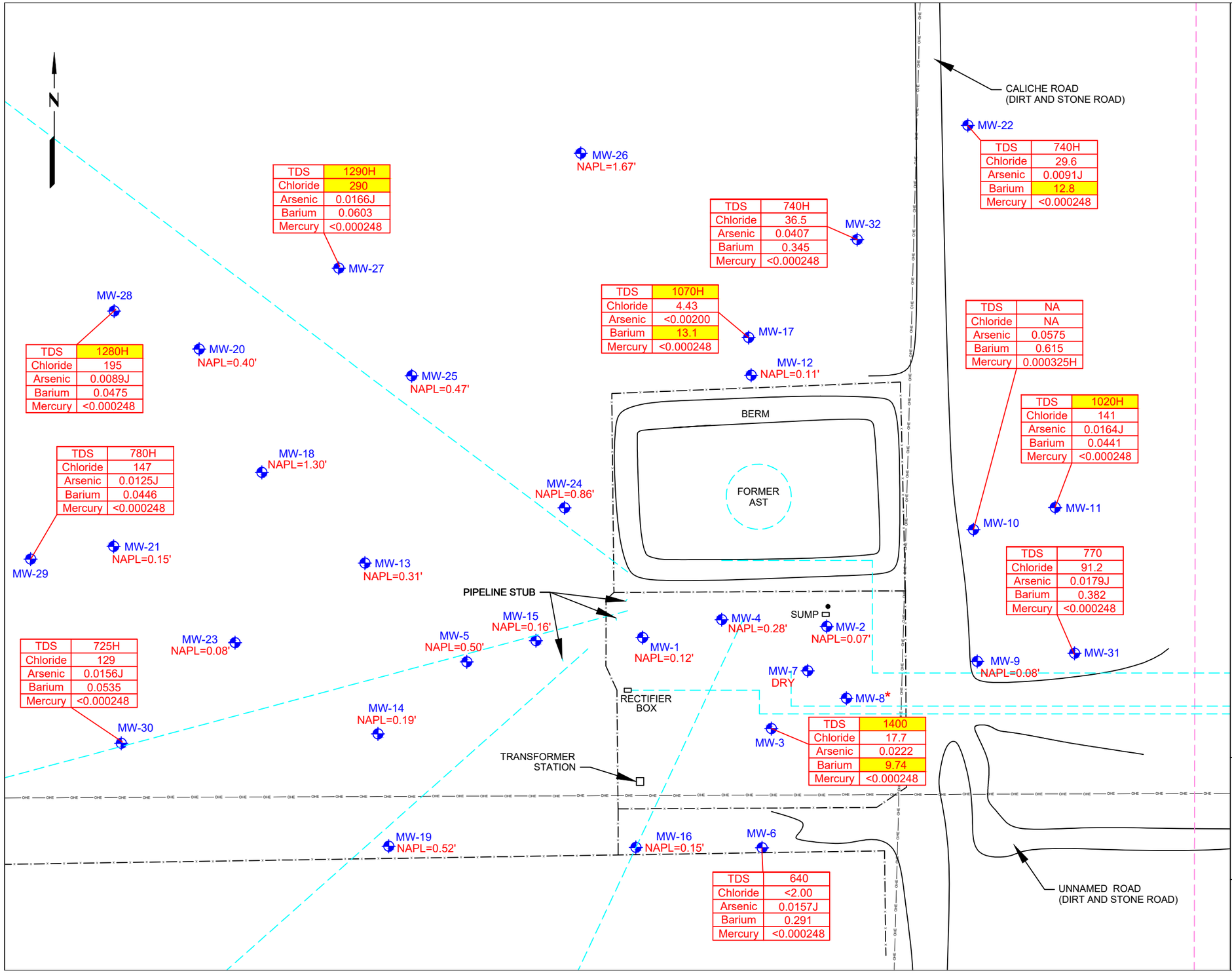
GLADIOLA STATION
Lea County, New Mexico

Cardno now Stantec

PROJECT NO. 3612

PLATE 4

DATE: 02/18/22



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit and practical quantitation limit
H	Analyzed outside the recommended hold time
NAPL=1.67'	Non-aqueous phase liquid thickness in feet
1290H	Exceeds NMED WQCC HHS (1000 mg/l for TDS) (250 mg/l for chloride) (0.1 mg/l for arsenic) (1 mg/l for barium) (0.002 mg/l for mercury)
TDS Chloride Arsenic Barium Mercury	Total dissolved solids Chloride Arsenic Barium Mercury
	All sample results are listed in milligrams per liter
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

SOURCE:
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APPROXIMATE SCALE

0 60 120
FEET

FN 36120002

GROUNDWATER ANALYTICAL RESULTS - METALS AND ADDITIONAL PARAMETERS

GLADIOLA STATION
Lea County, New Mexico

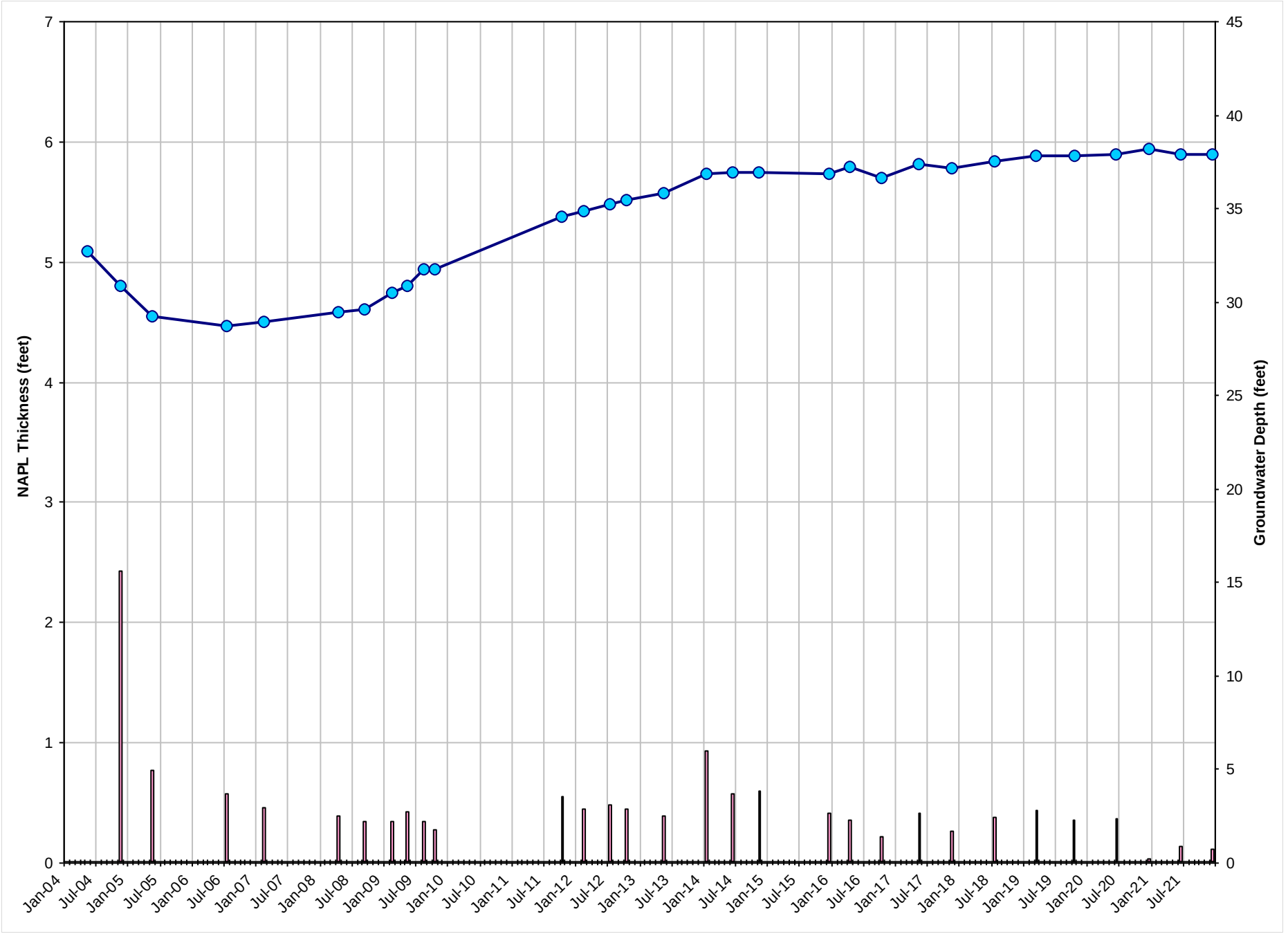
Cardno now Stantec

PROJECT NO. 3612

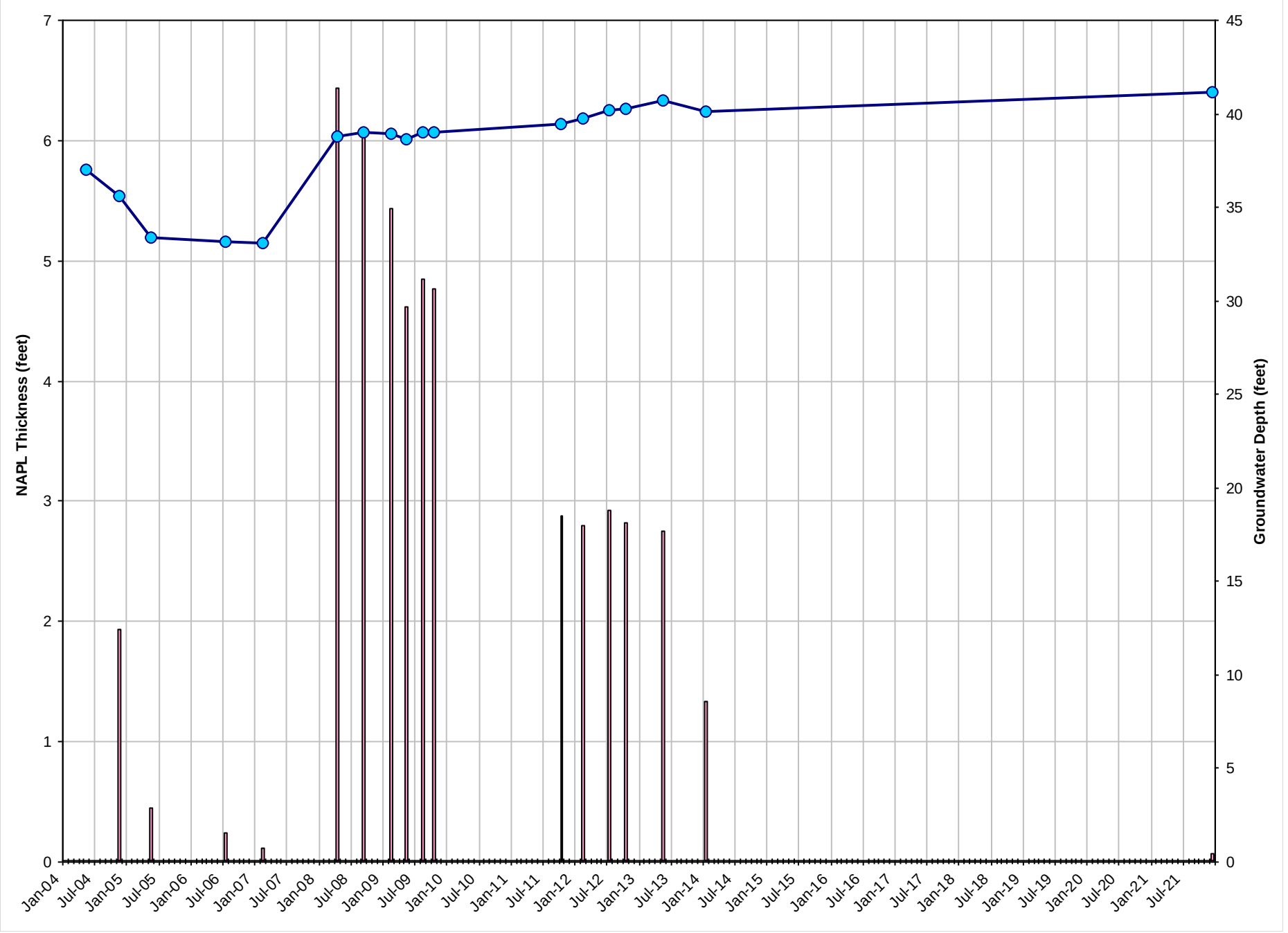
PLATE 5

DATE: 02/18/22

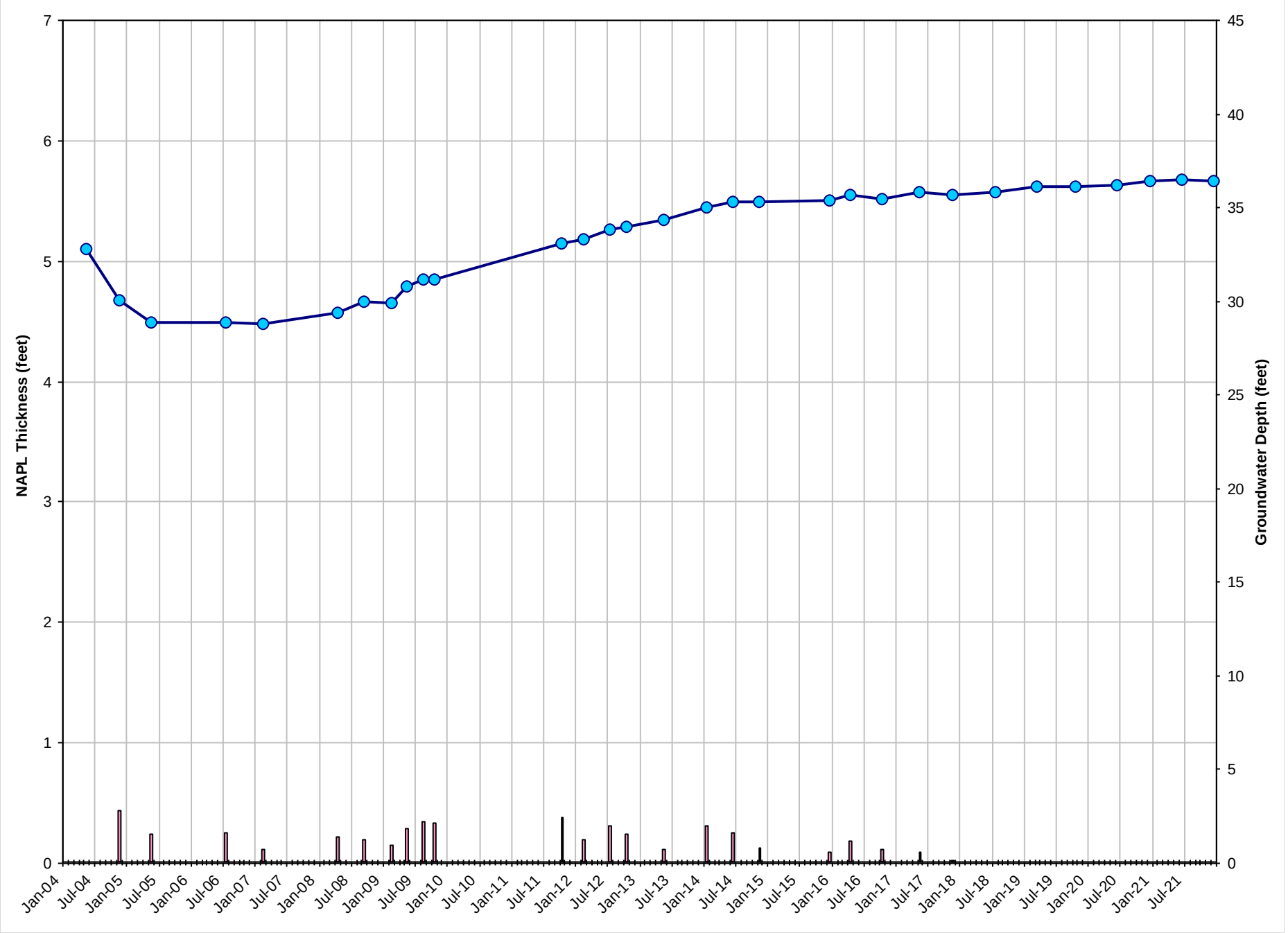
GRAPH 1
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-1
Gladiola Station
Lea County, New Mexico



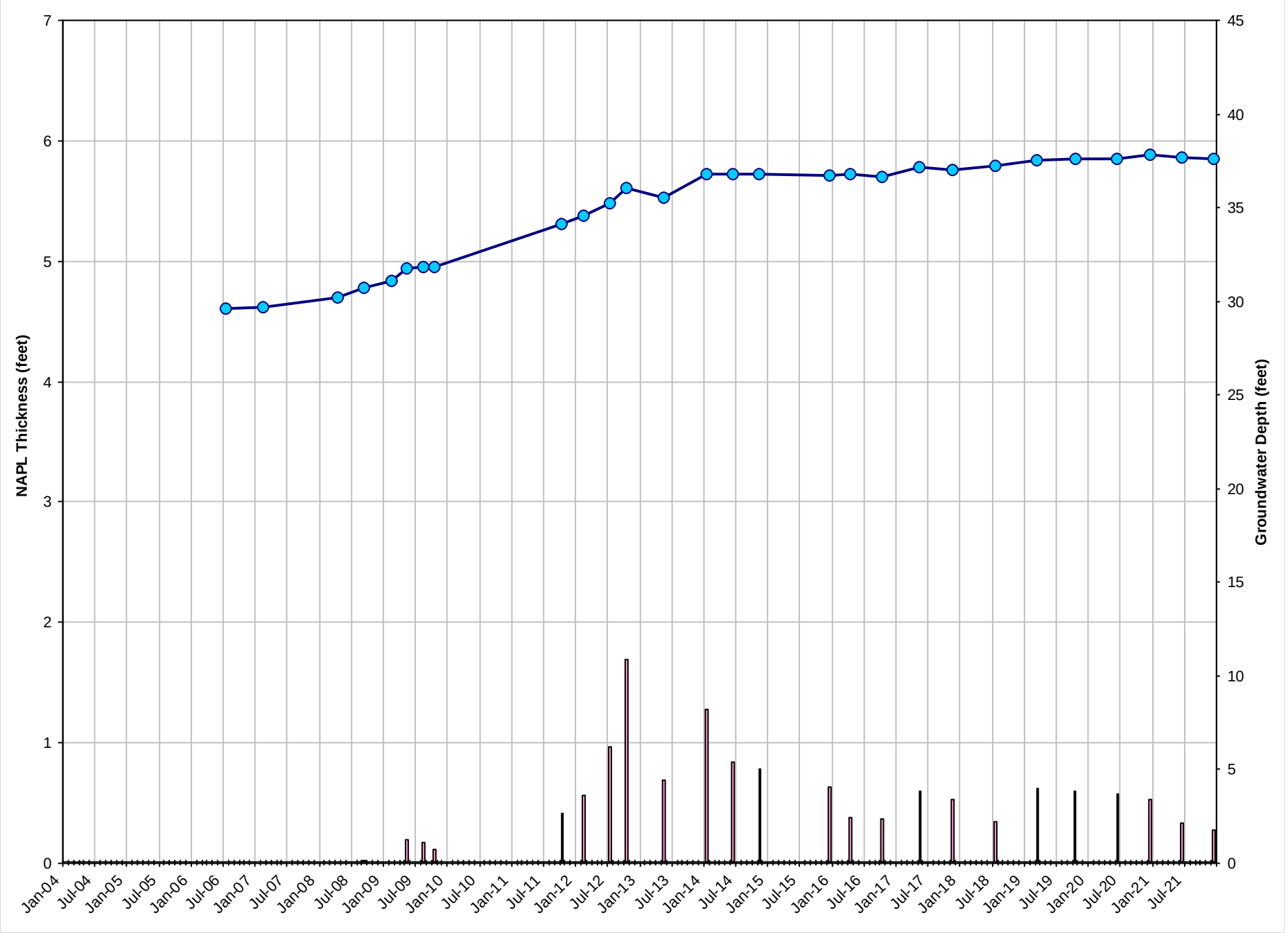
GRAPH 2
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-2
Gladiola Station
Lea County, New Mexico



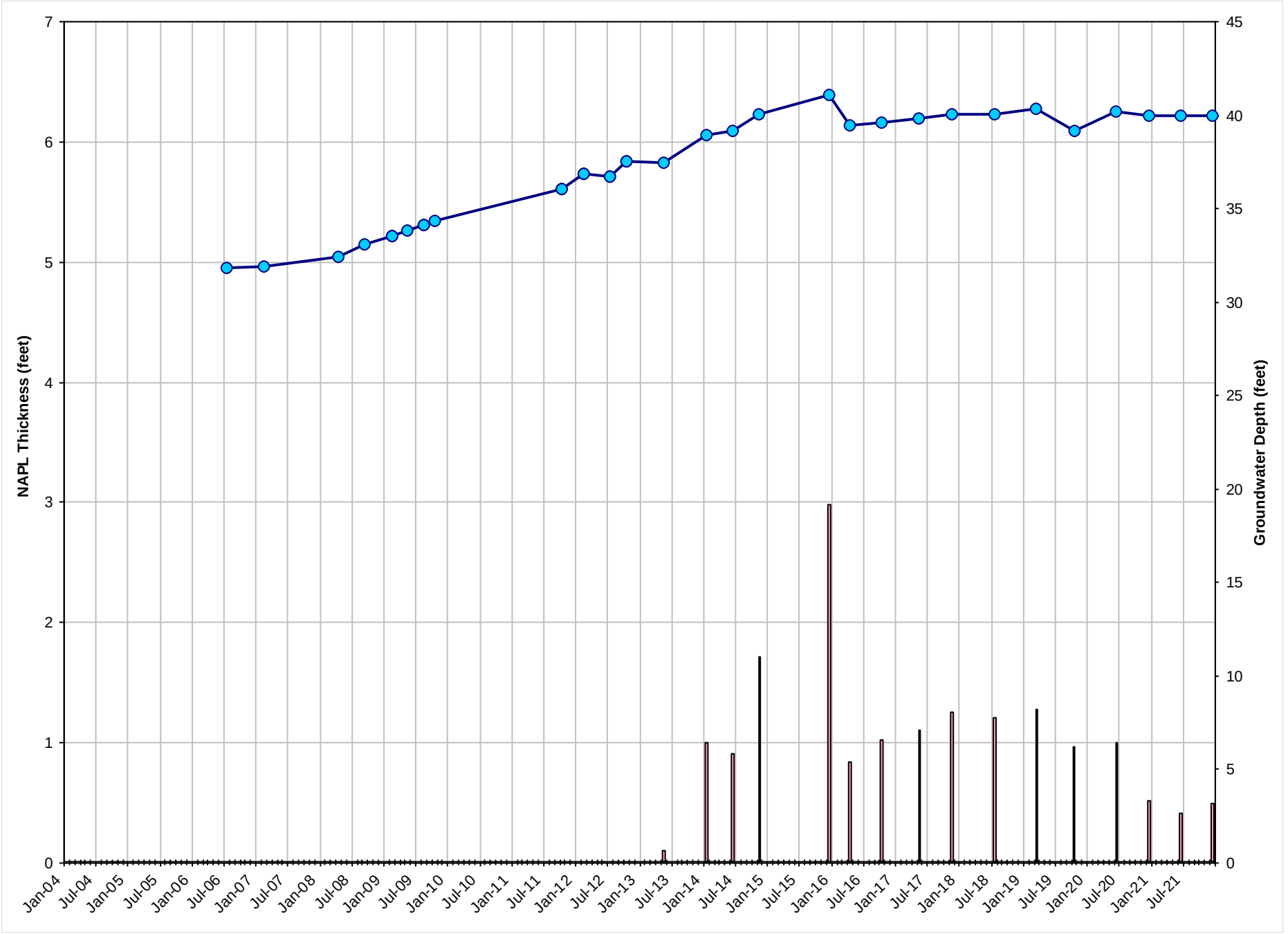
GRAPH 3
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-3
Gladiola Station
Lea County, New Mexico



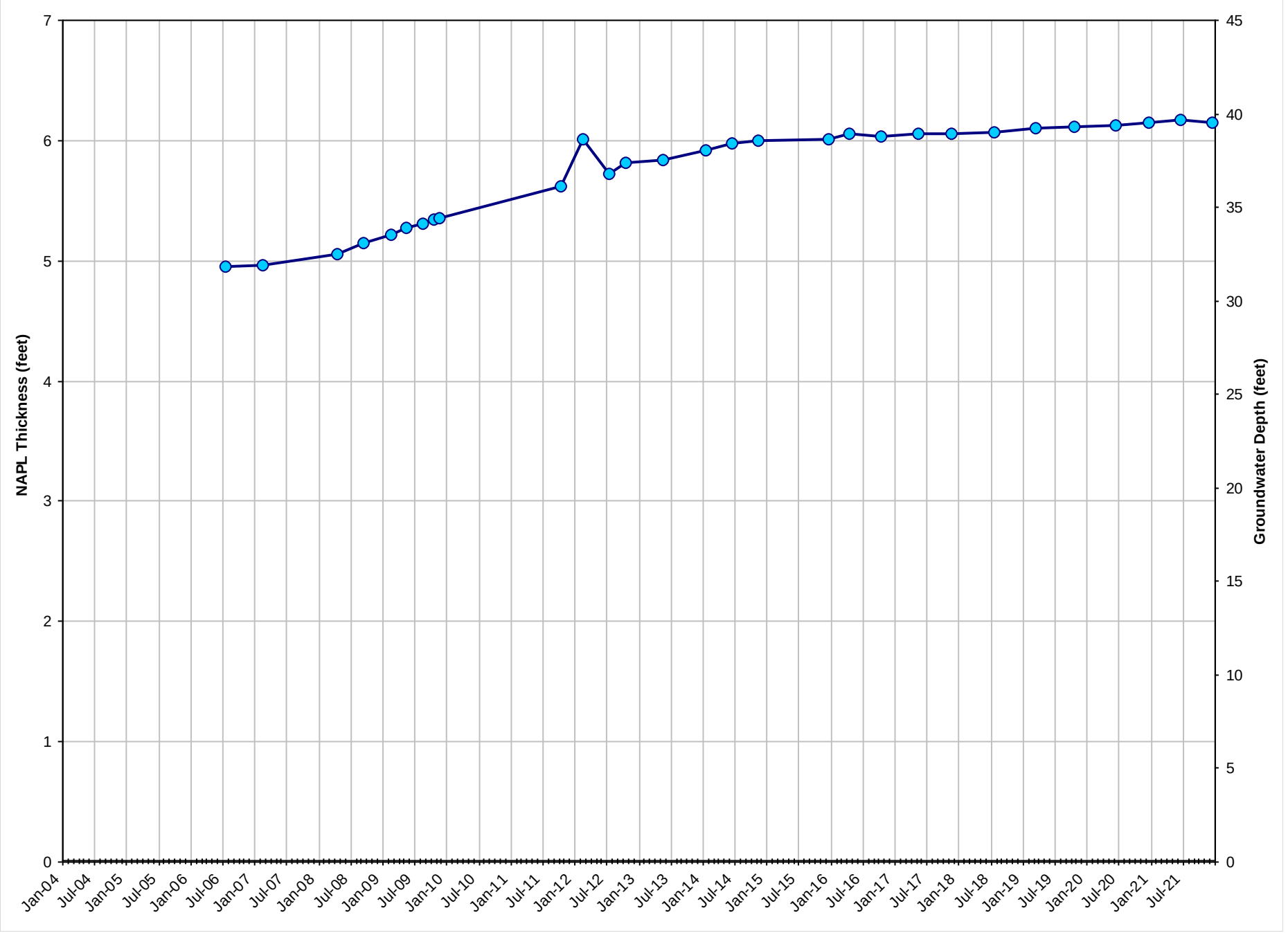
GRAPH 4
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-4
Gladiola Station
Lea County, New Mexico



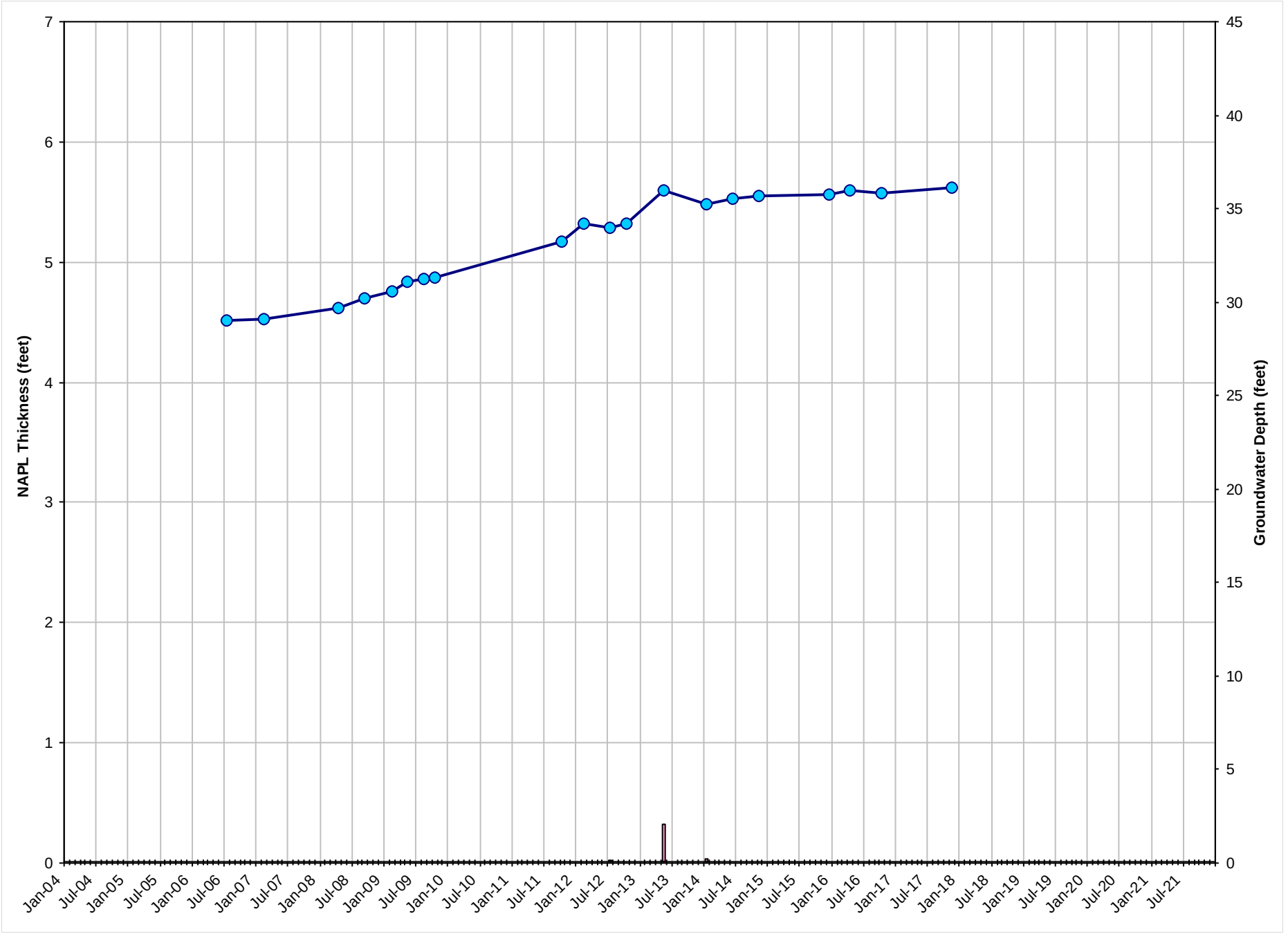
GRAPH 5
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-5
Gladiola Station
Lea County, New Mexico



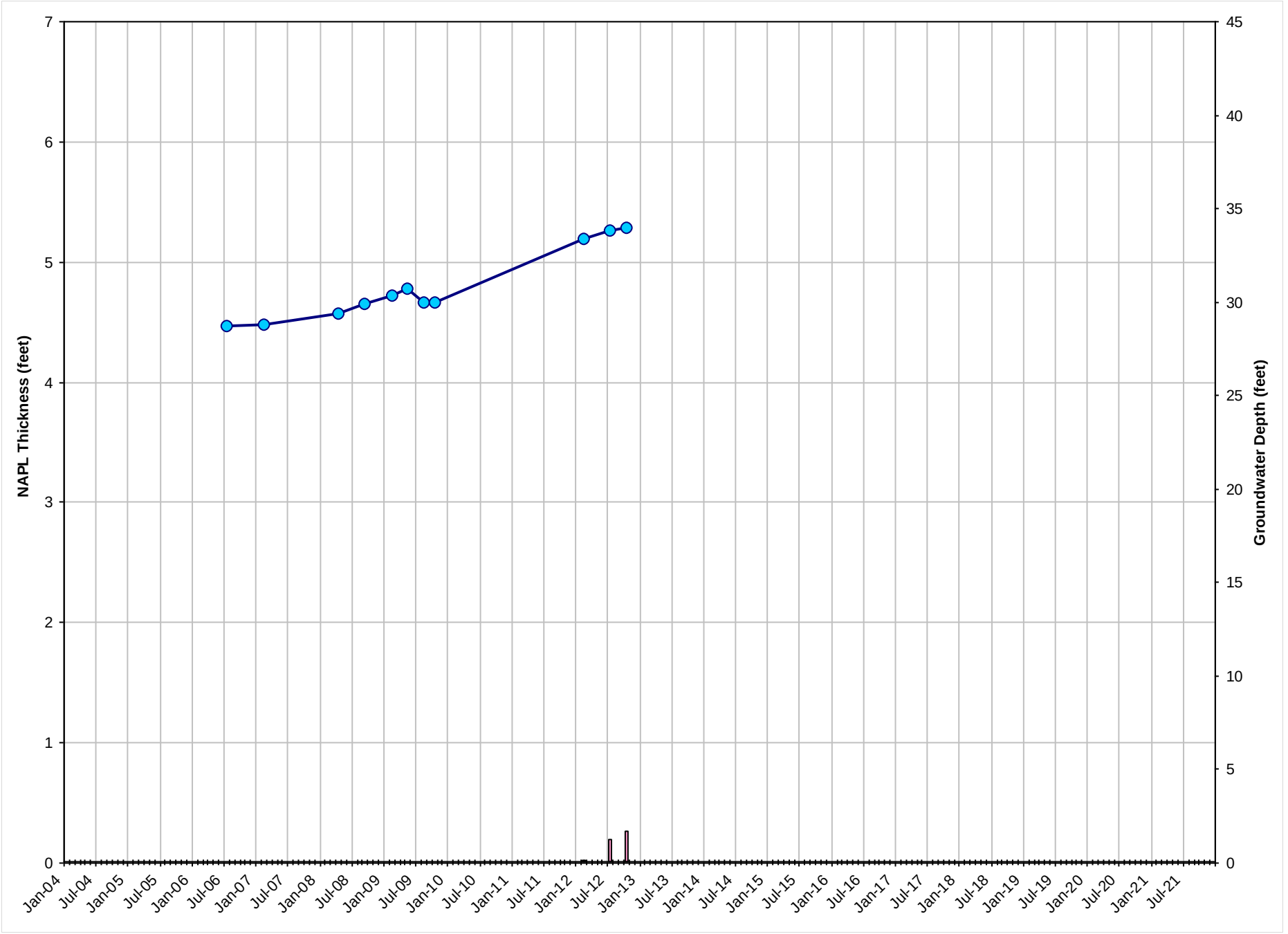
GRAPH 6
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-6
Gladiola Station
Lea County, New Mexico



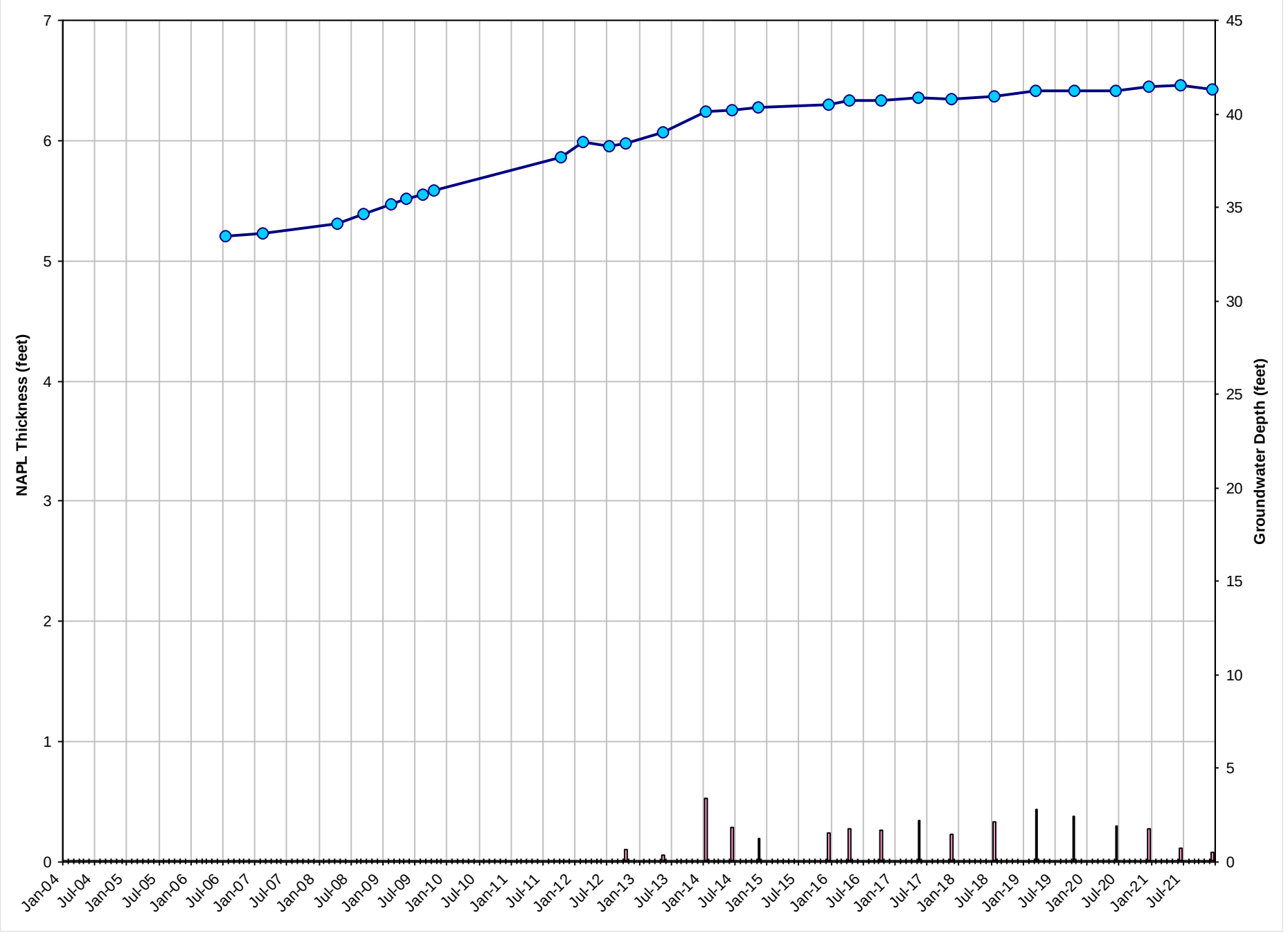
GRAPH 7
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-7
Gladiola Station
Lea County, New Mexico



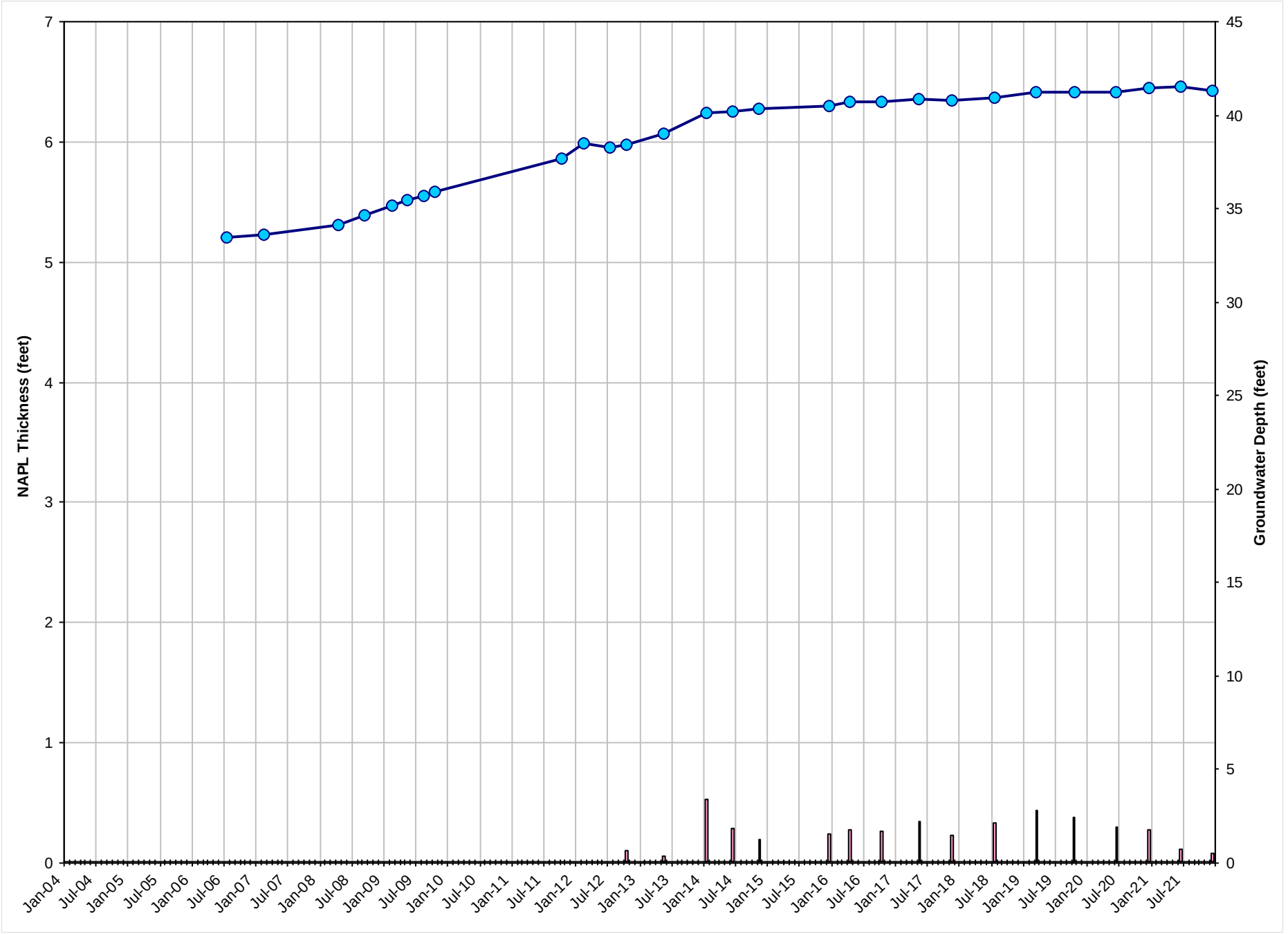
GRAPH 8
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-8
Gladiola Station
Lea County, New Mexico



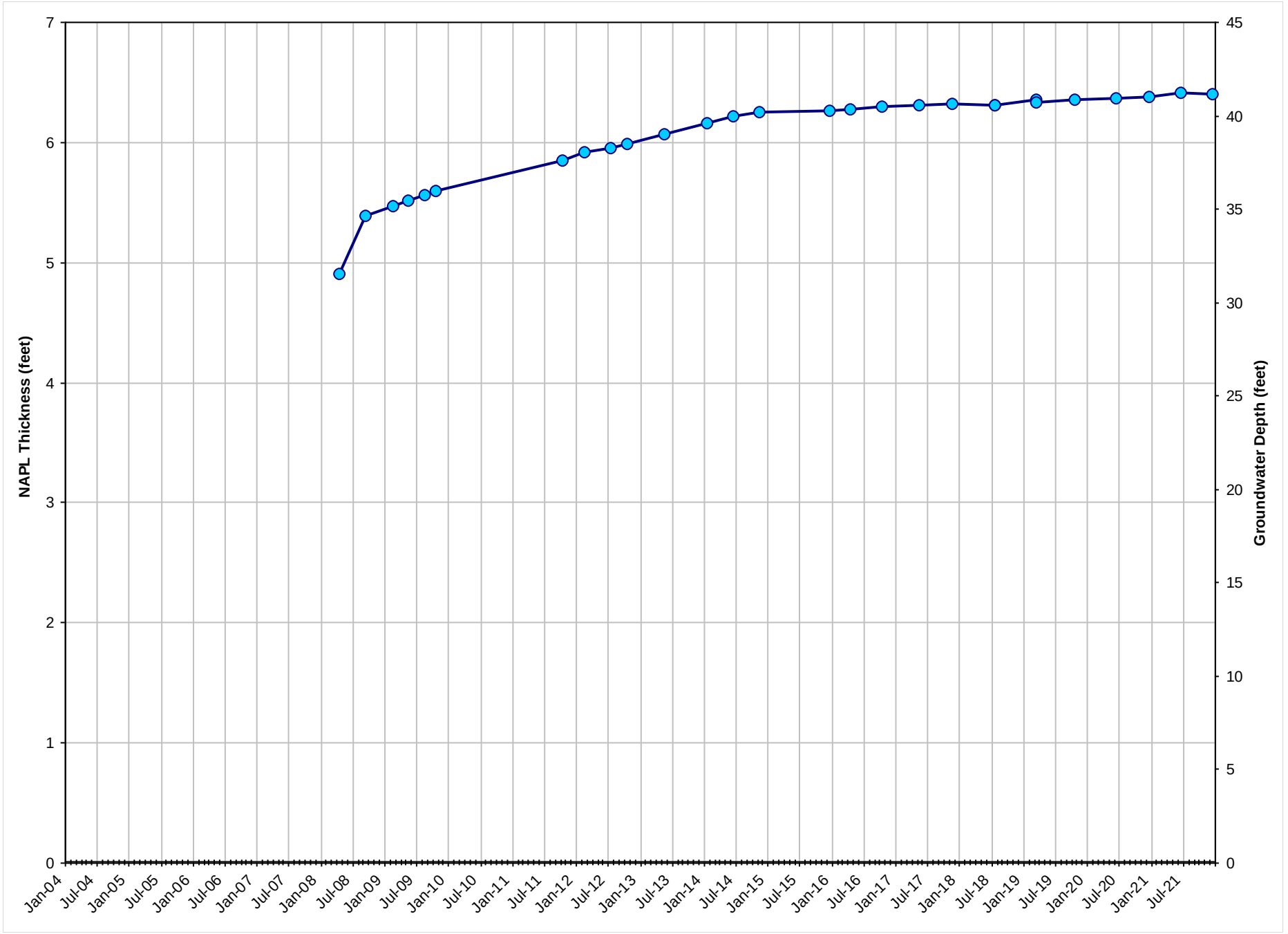
GRAPH 9
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-9
Gladiola Station
Lea County, New Mexico



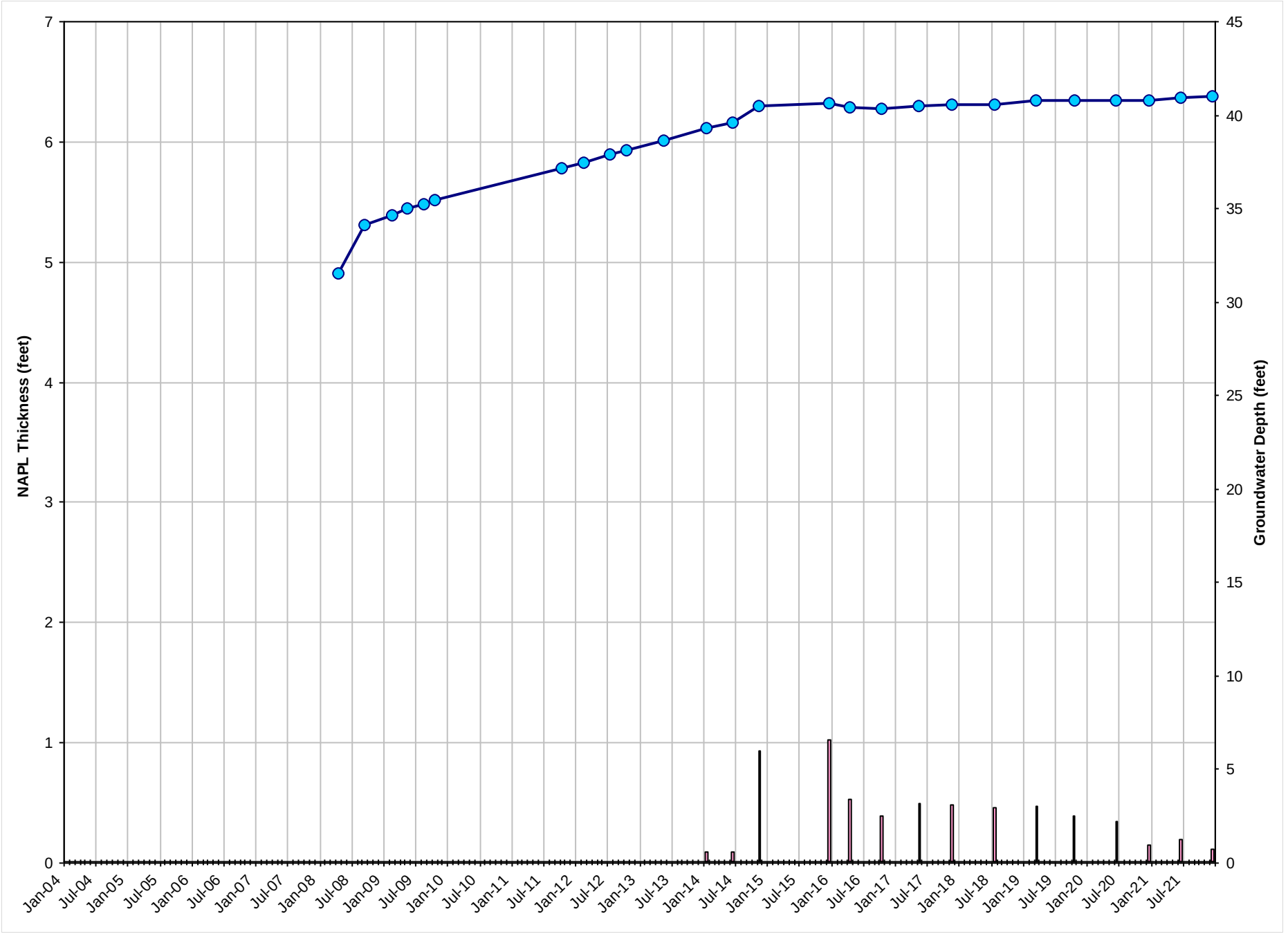
GRAPH 10
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-10
Gladiola Station
Lea County, New Mexico



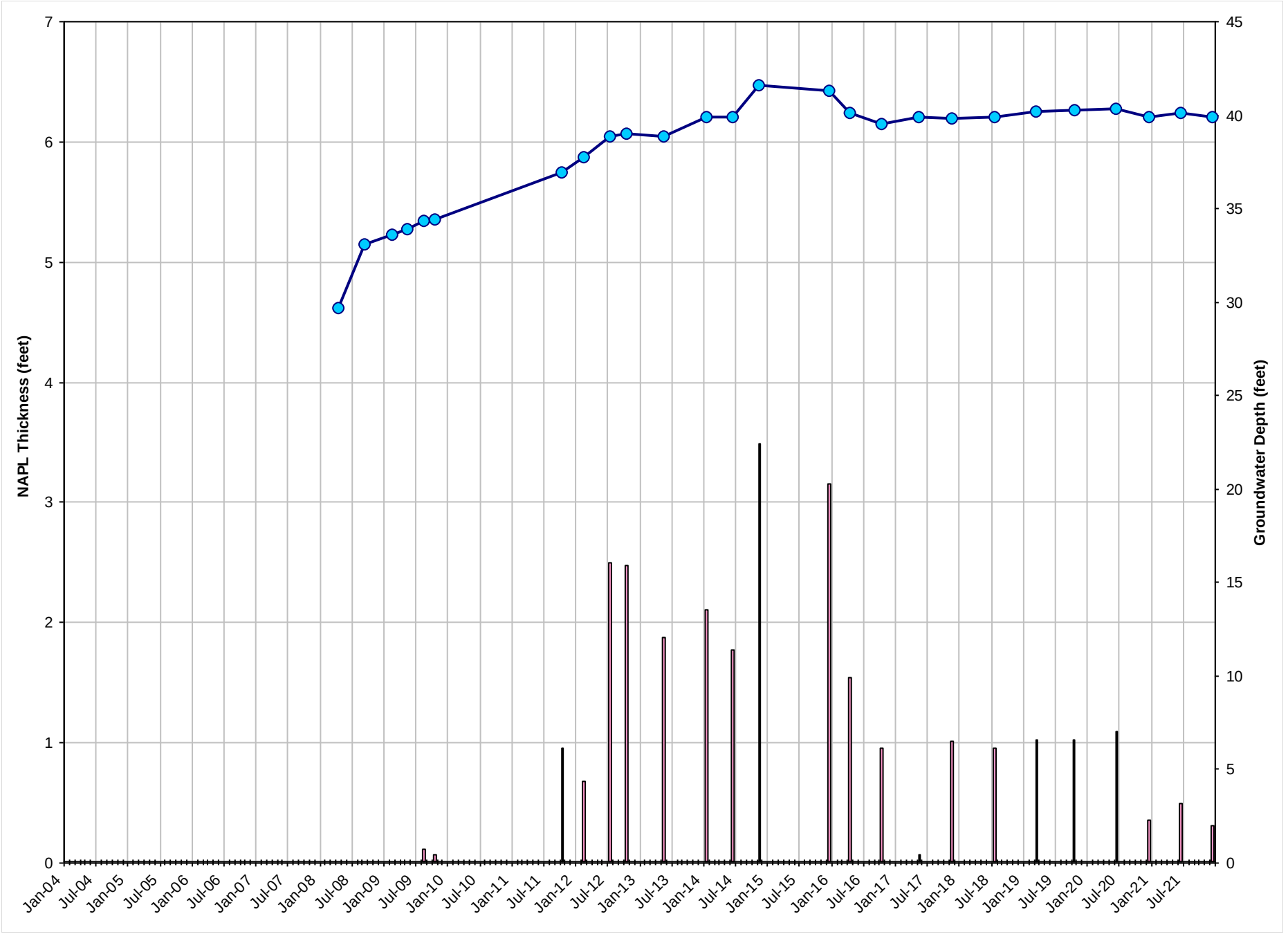
GRAPH 11
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-11
Gladiola Station
Lea County, New Mexico



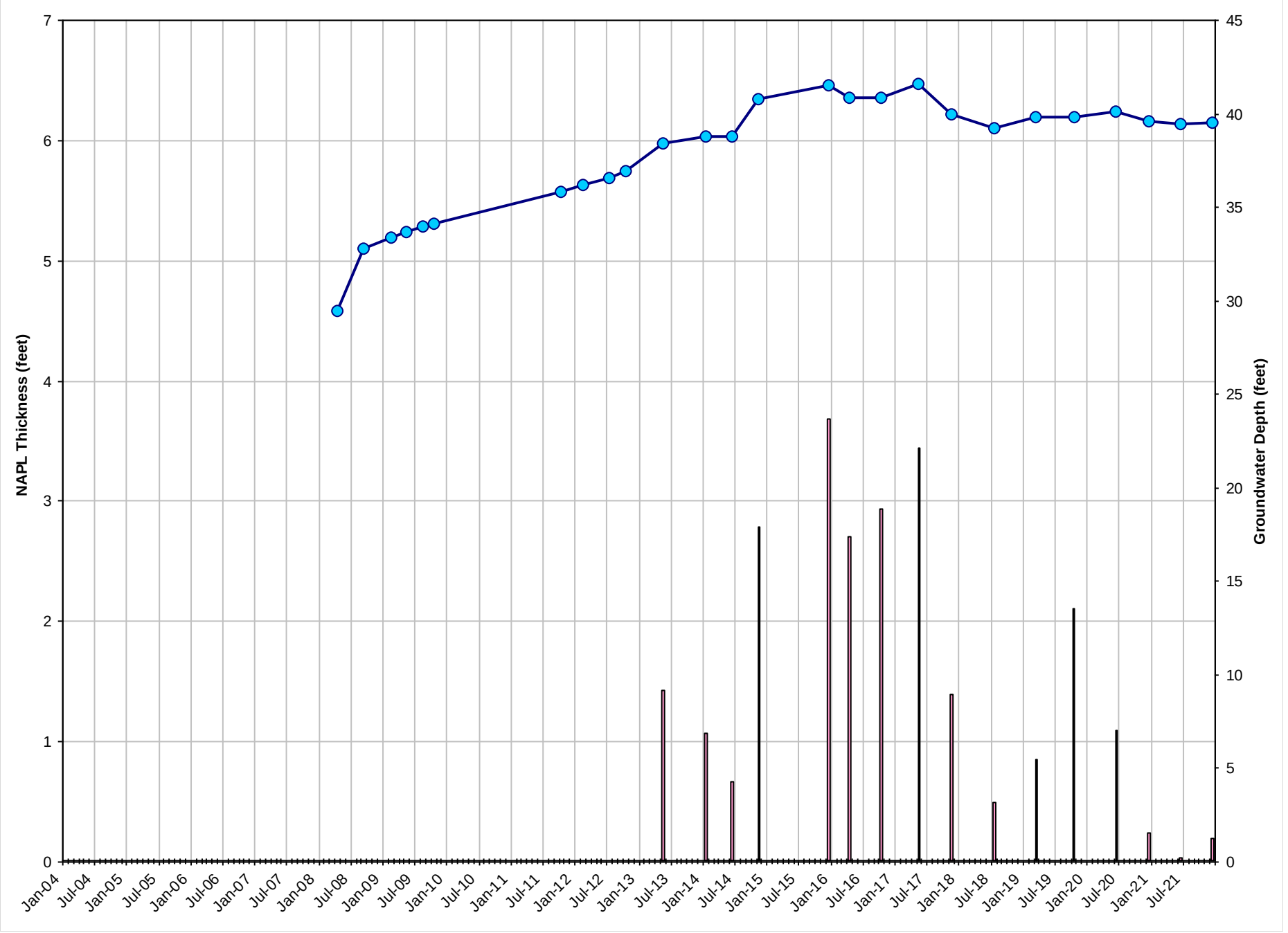
GRAPH 12
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-12
Gladiola Station
Lea County, New Mexico



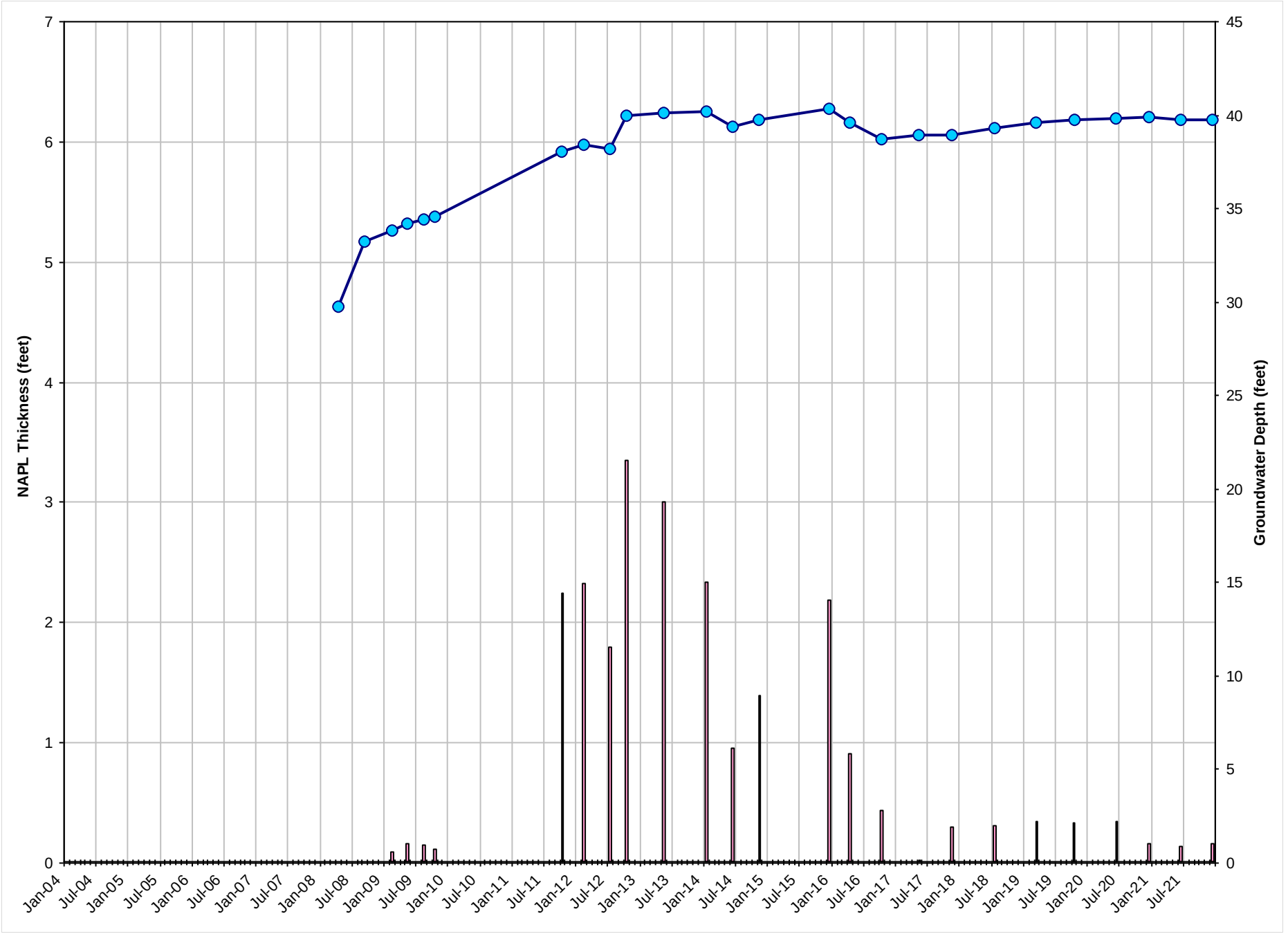
GRAPH 13
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-13
Gladiola Station
Lea County, New Mexico



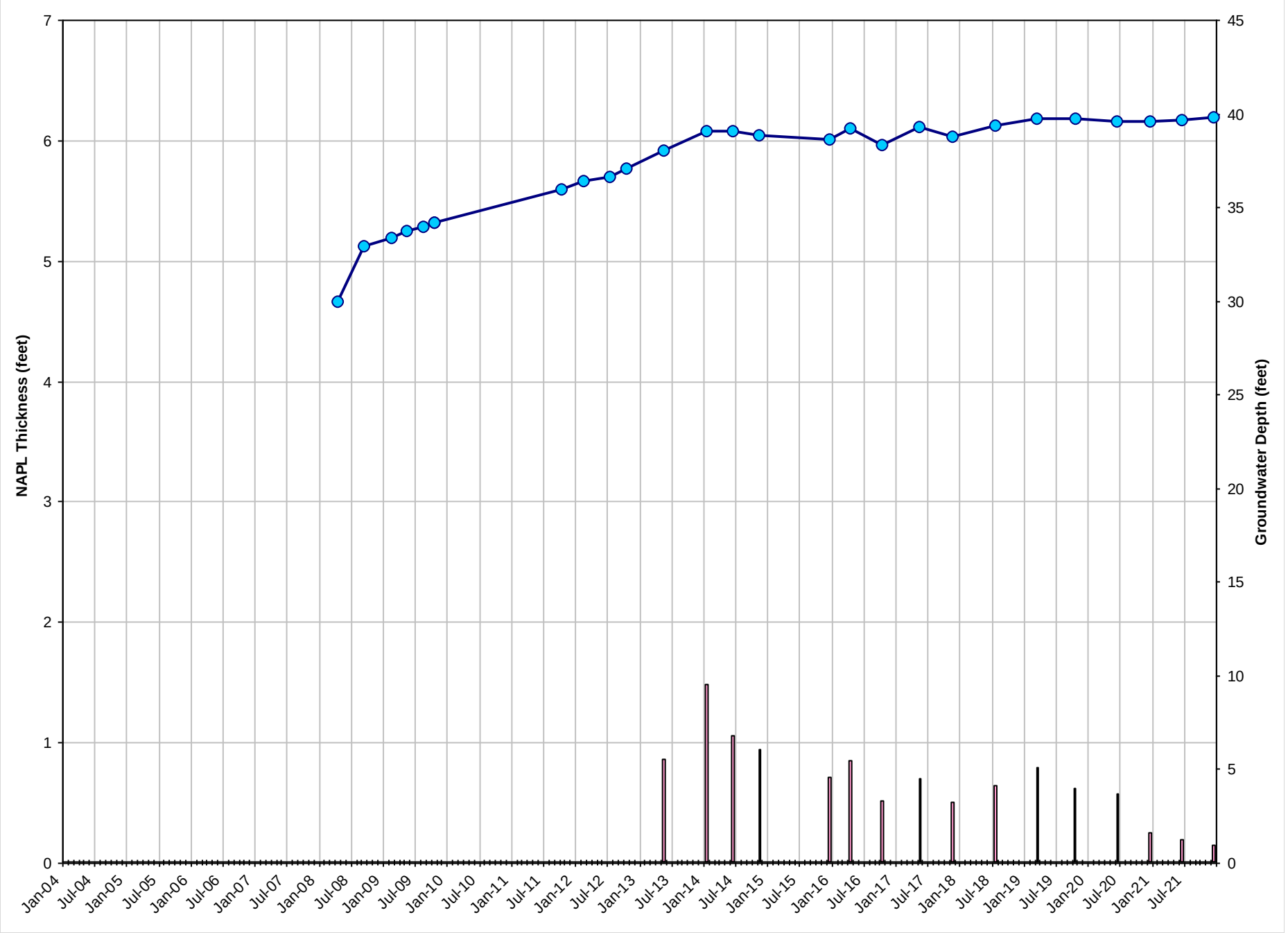
GRAPH 14
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-14
Gladiola Station
Lea County, New Mexico



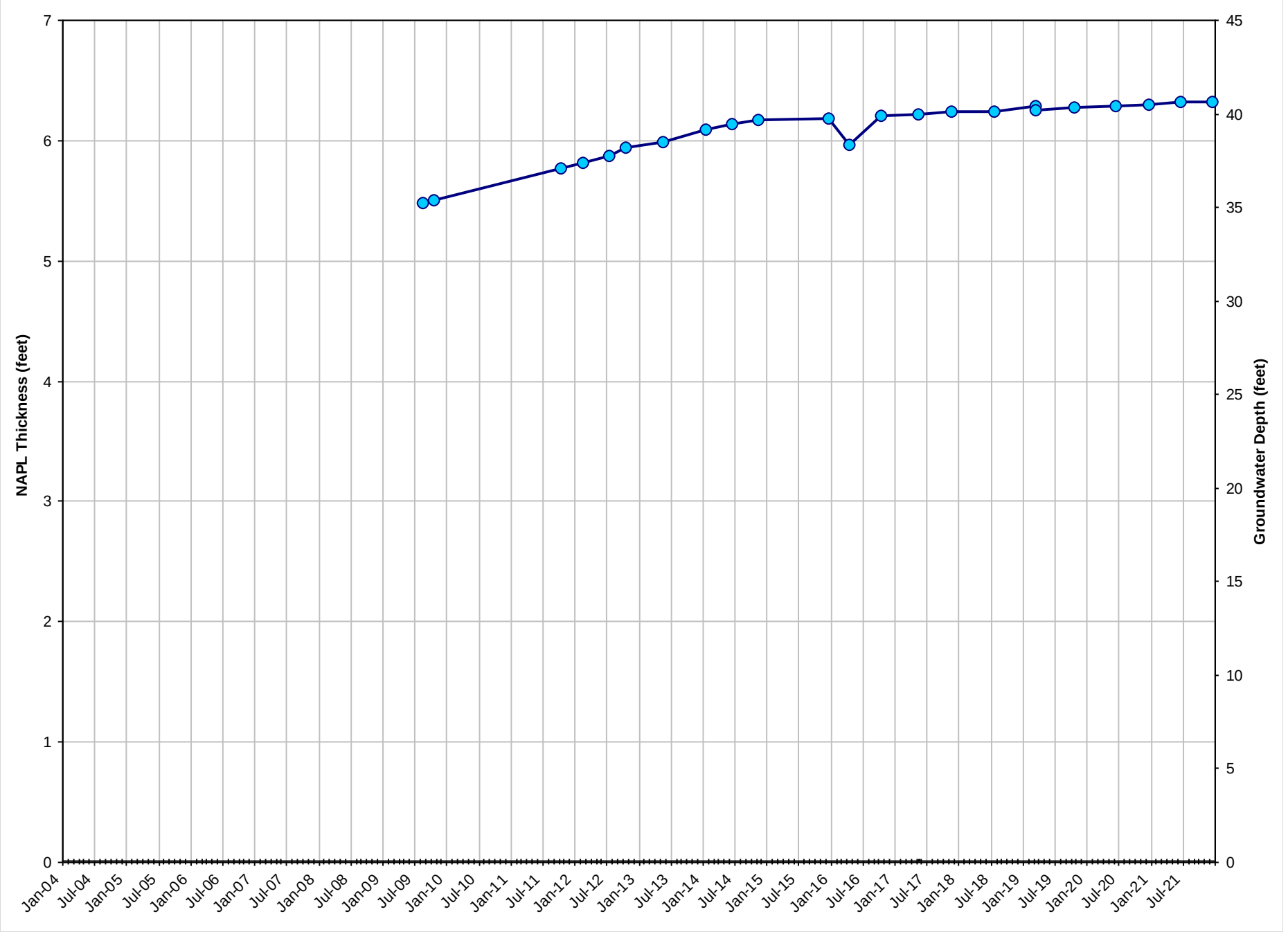
GRAPH 15
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-15
Gladiola Station
Lea County, New Mexico



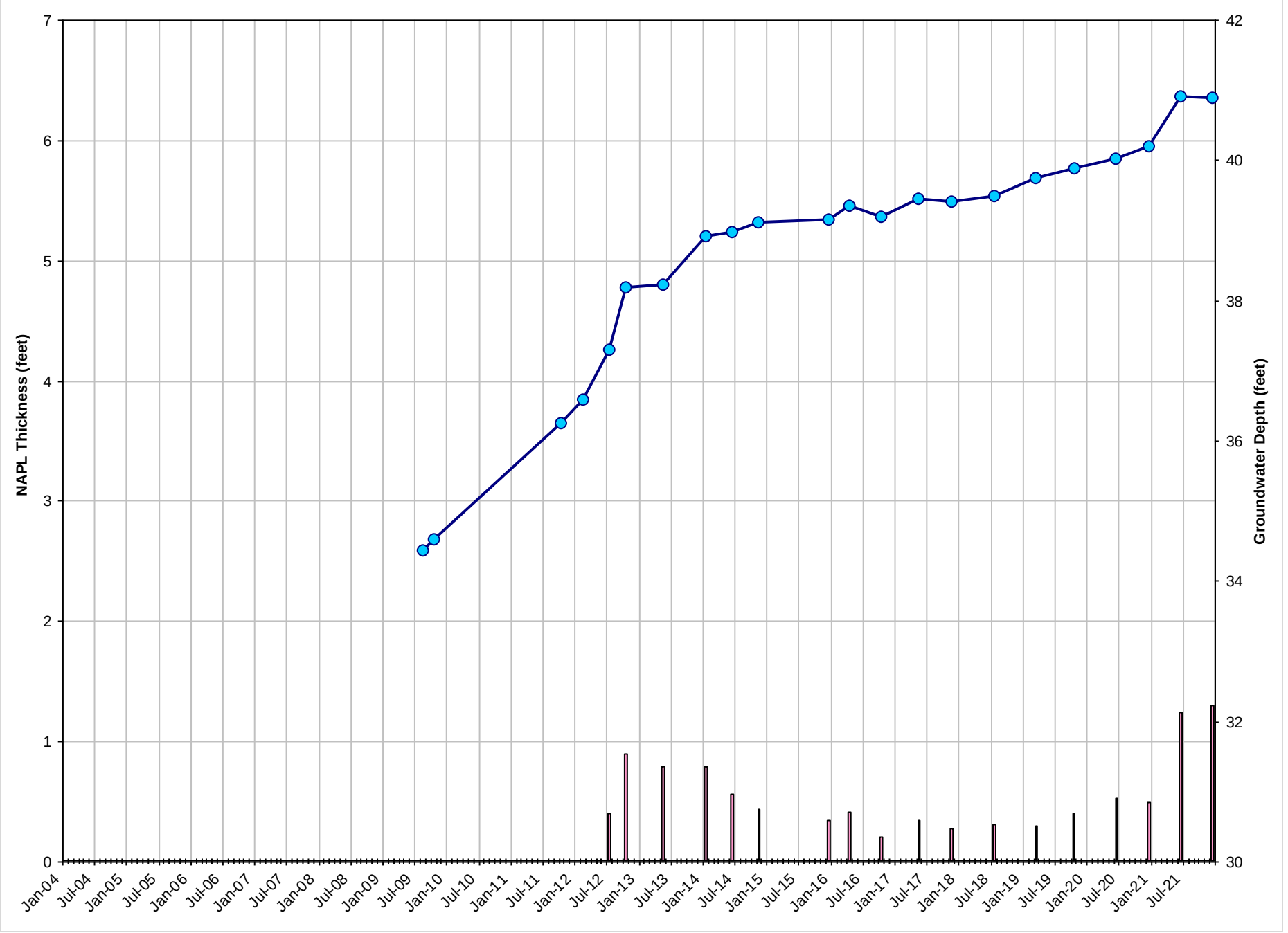
GRAPH 16
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-16
Gladiola Station
Lea County, New Mexico



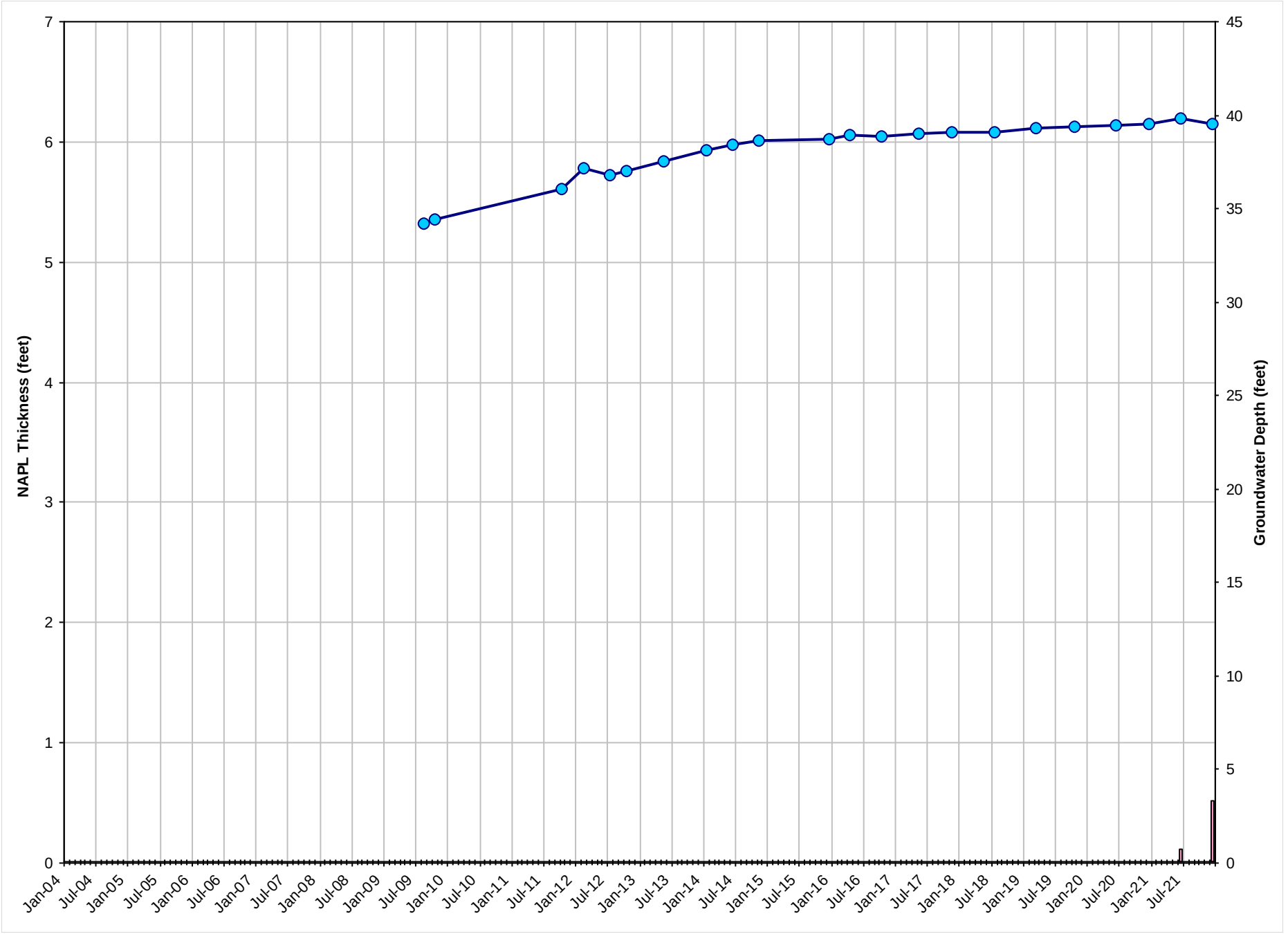
GRAPH 17
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-17
Gladiola Station
Lea County, New Mexico



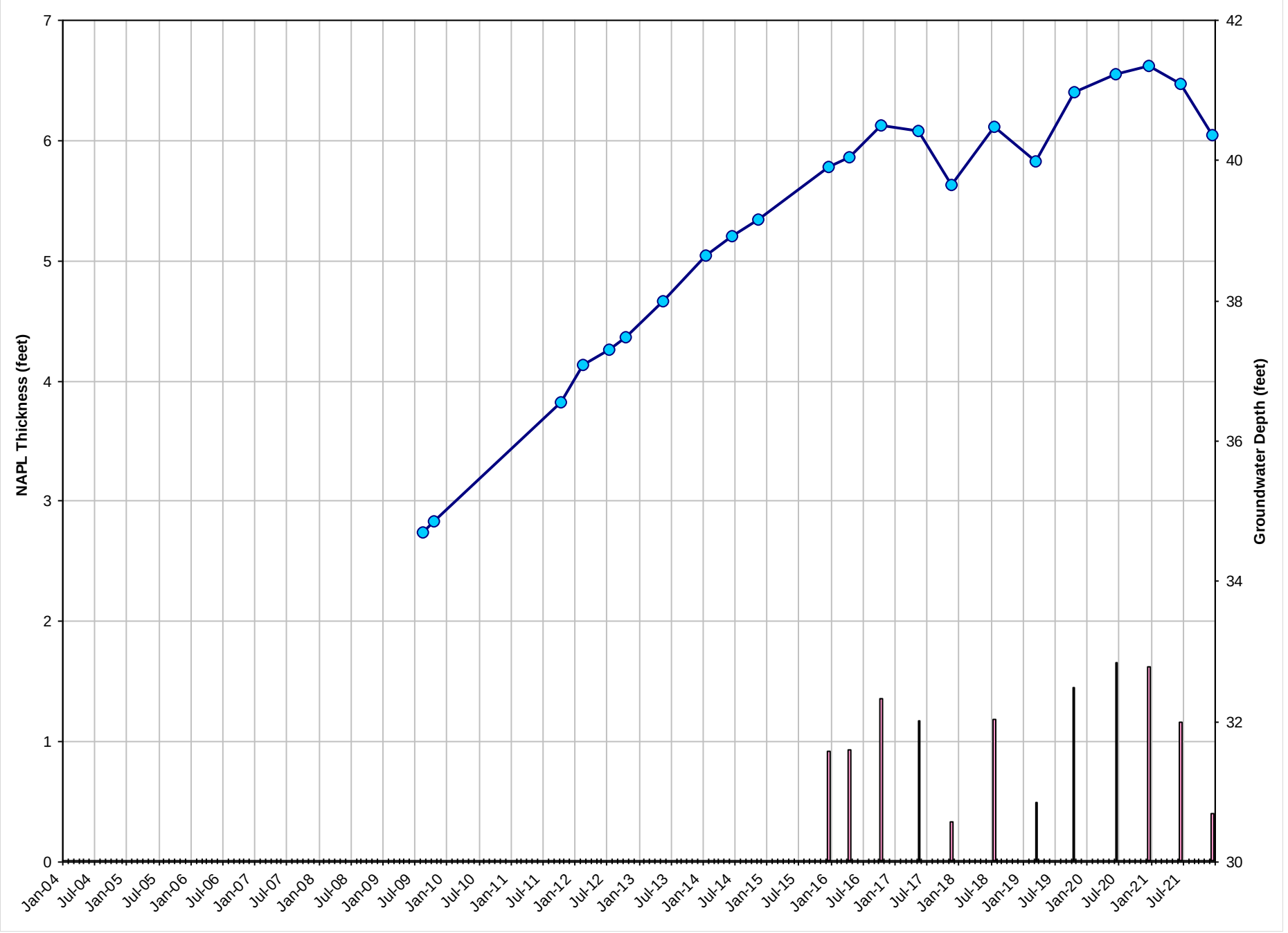
GRAPH 18
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-18
Gladiola Station
Lea County, New Mexico



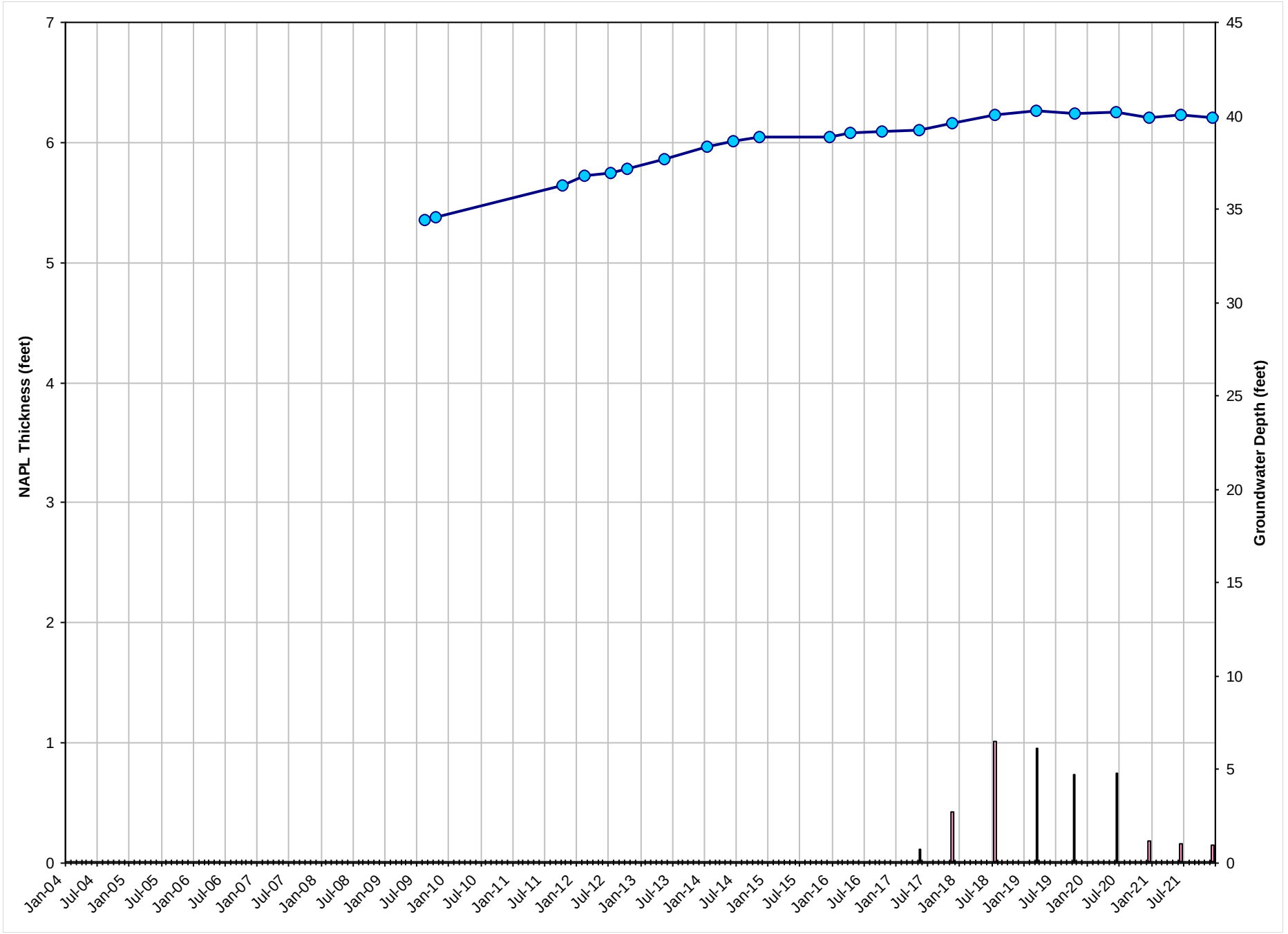
GRAPH 19
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-19
Gladiola Station
Lea County, New Mexico



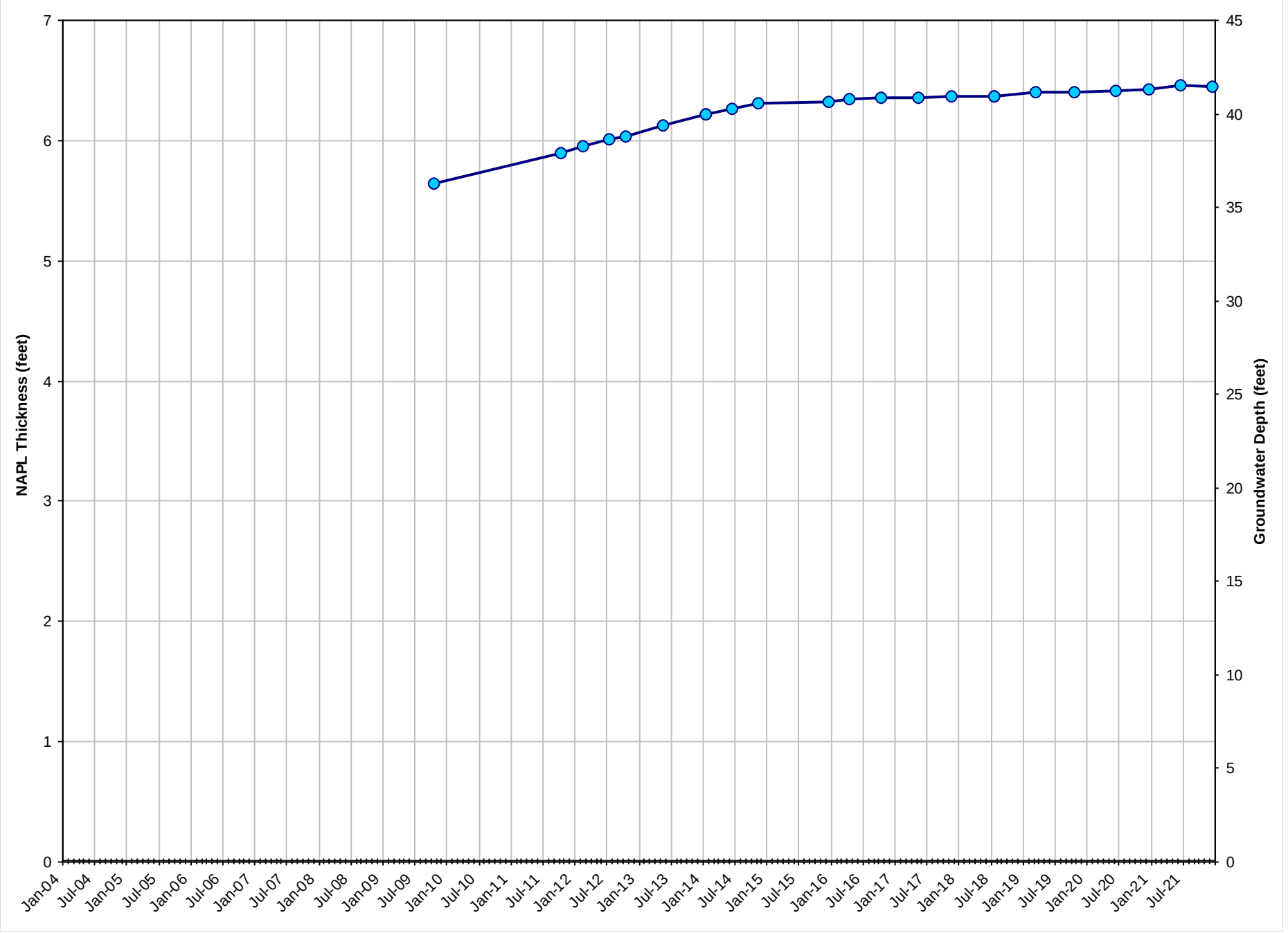
GRAPH 20
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-20
Gladiola Station
Lea County, New Mexico



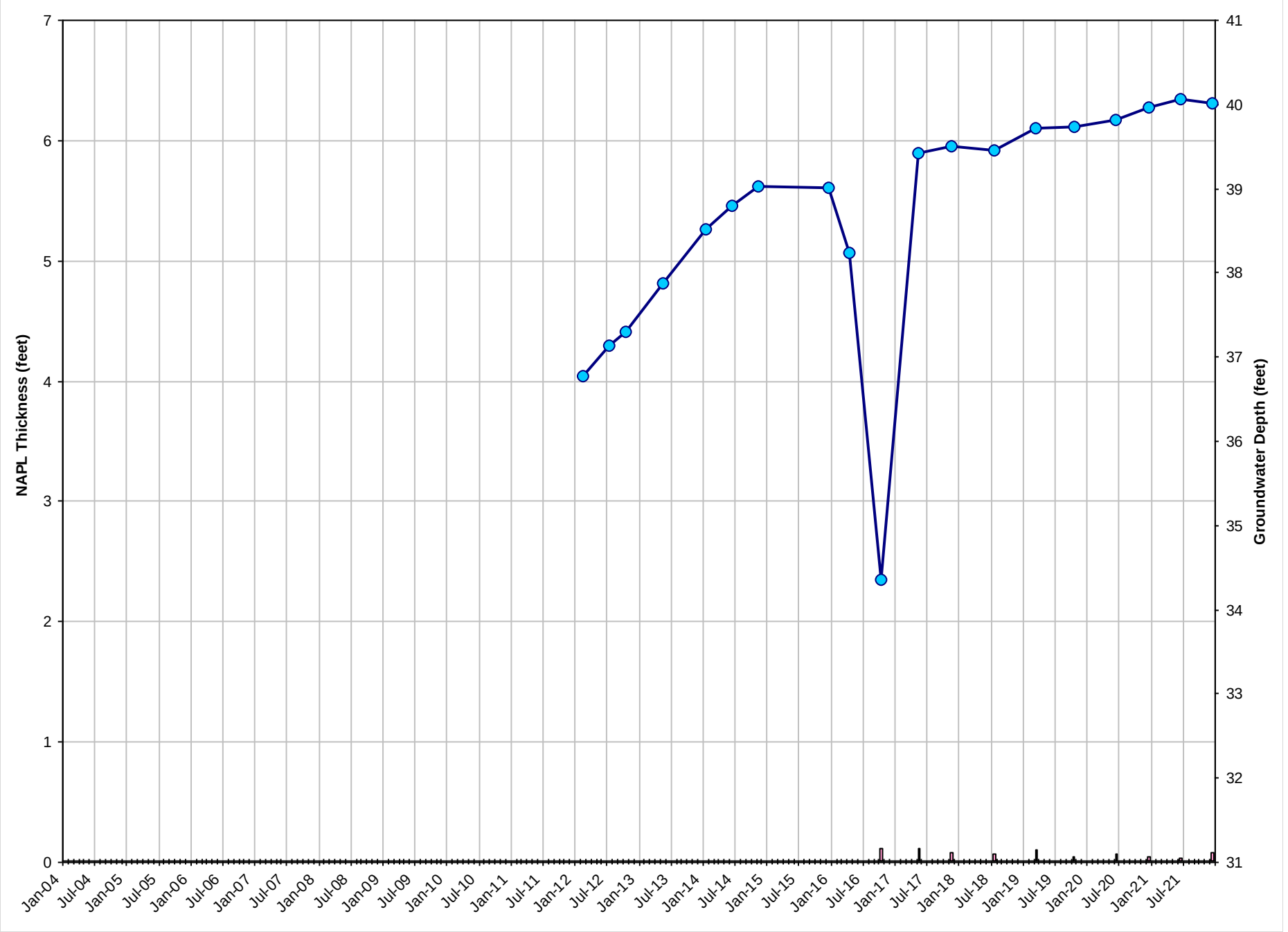
GRAPH 21
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-21
Gladiola Station
Lea County, New Mexico



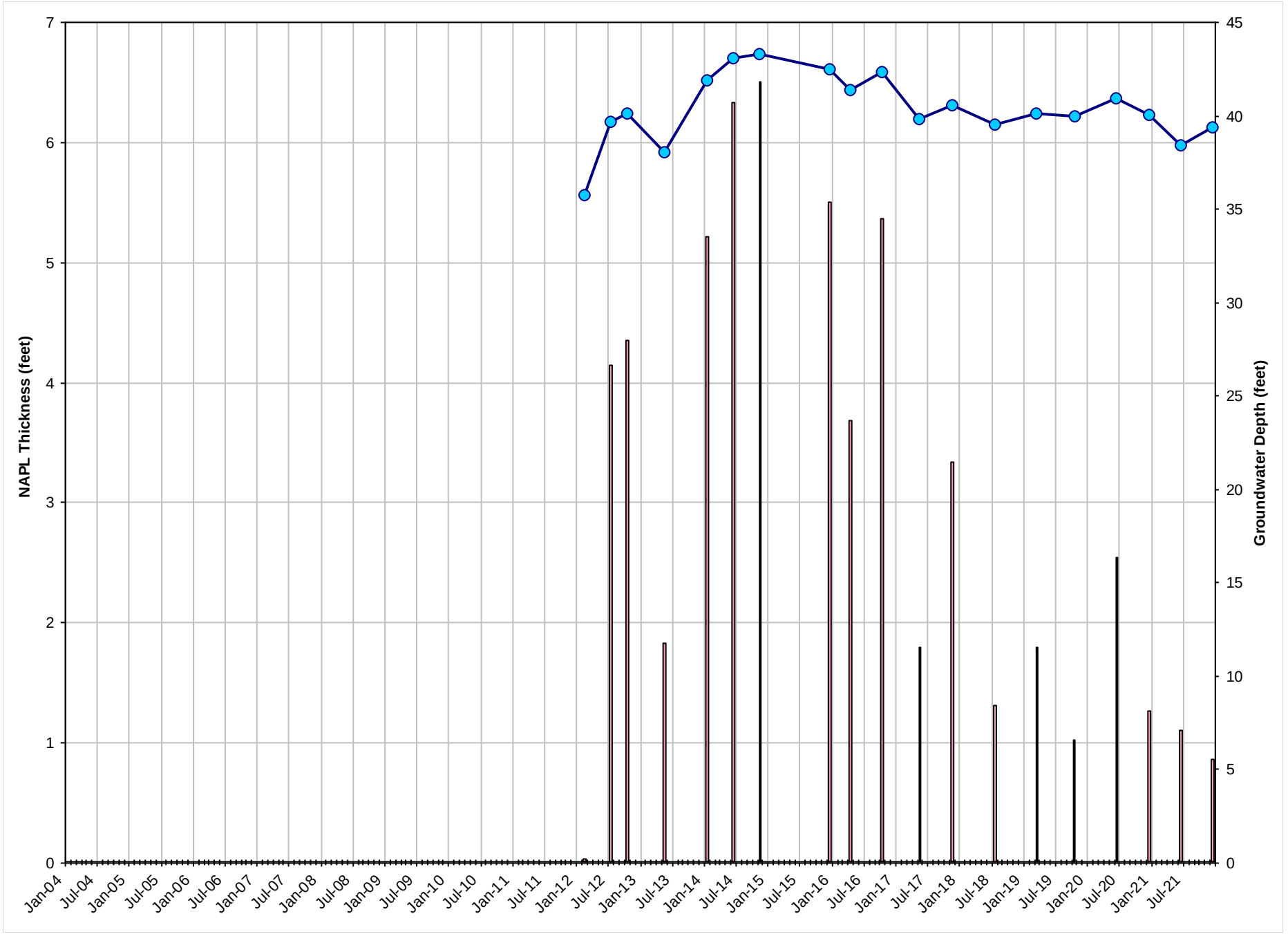
GRAPH 22
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-22
Gladiola Station
Lea County, New Mexico



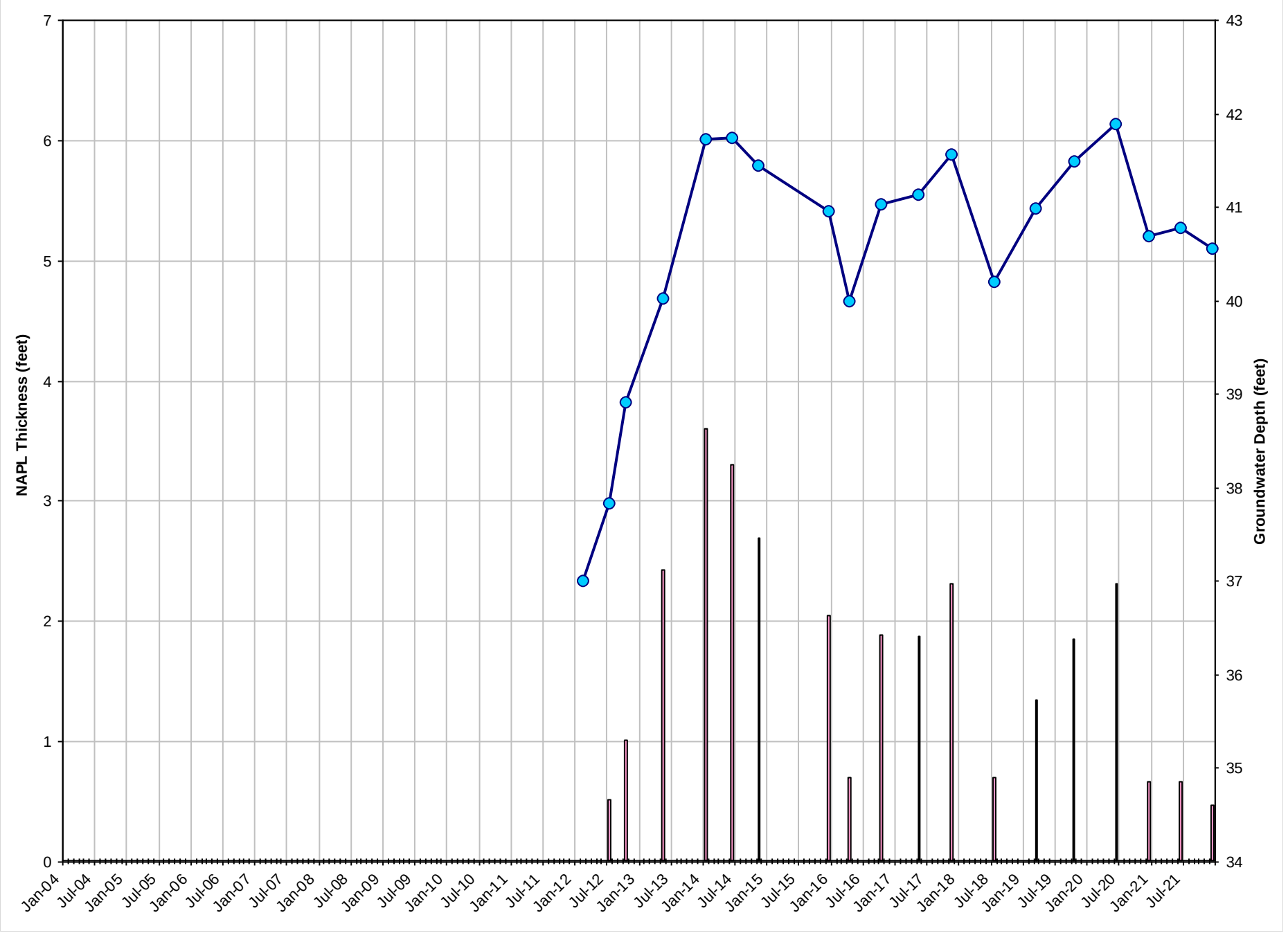
GRAPH 23
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-23
Gladiola Station
Lea County, New Mexico



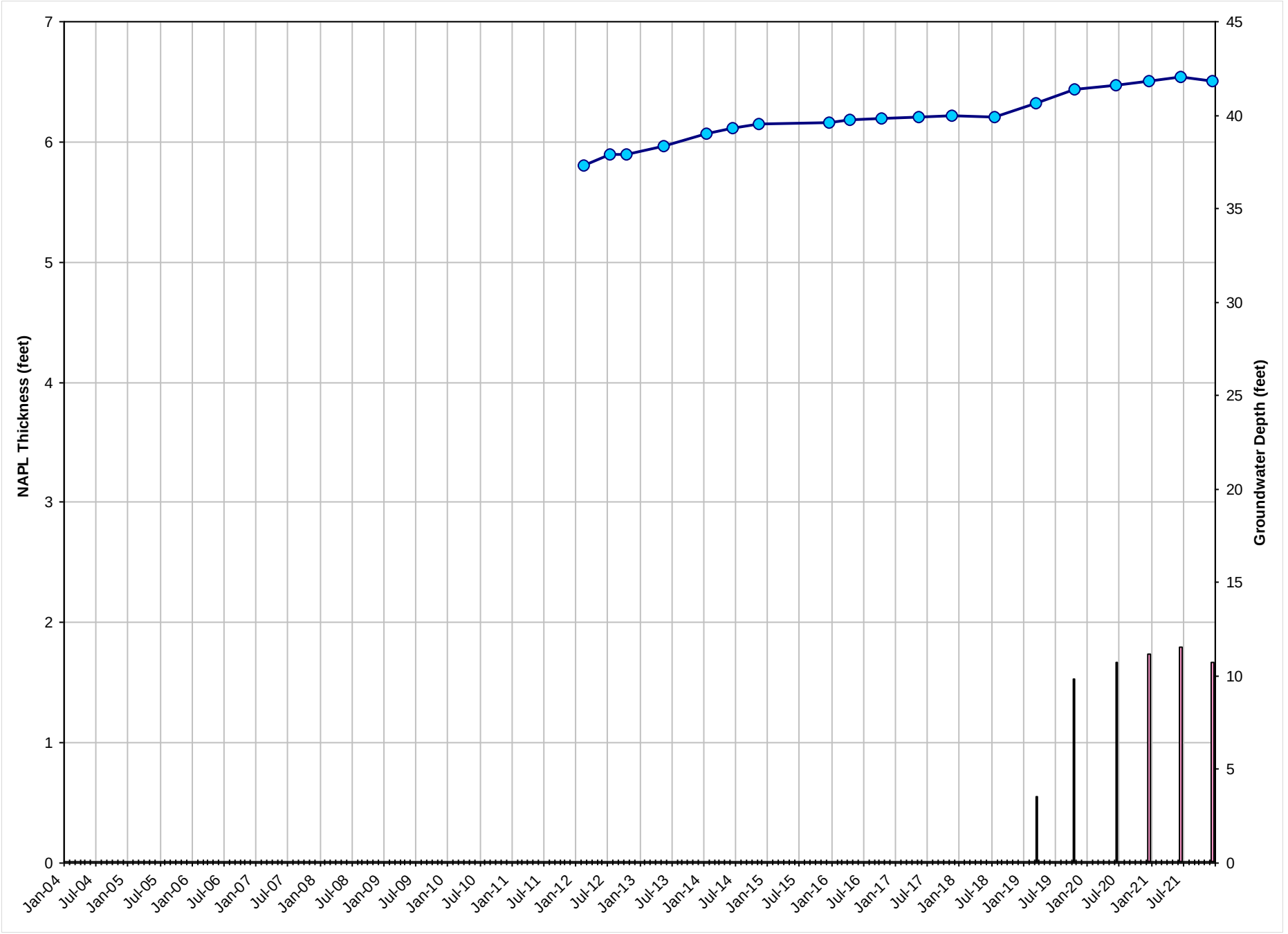
GRAPH 24
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-24
Gladiola Station
Lea County, New Mexico



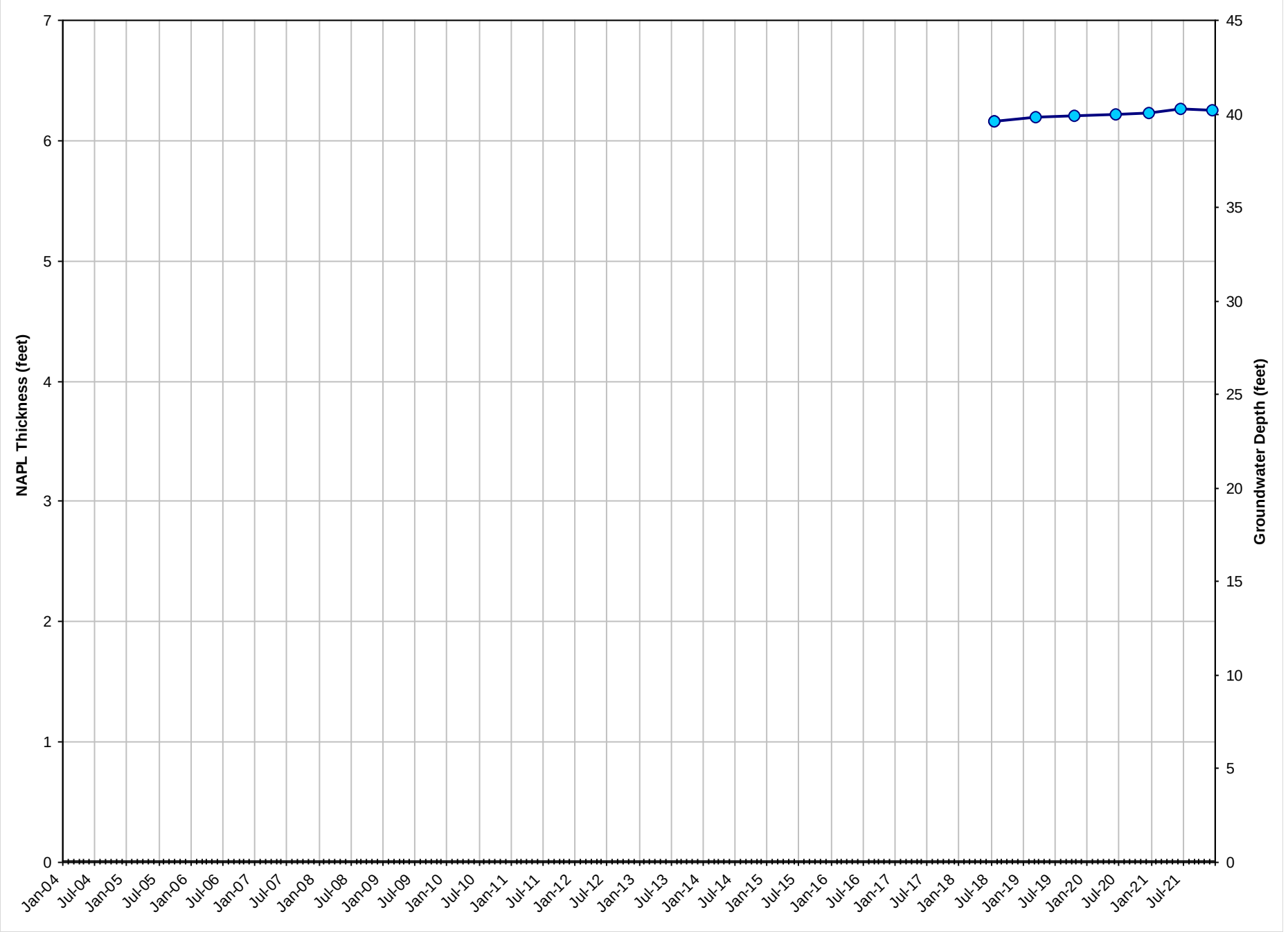
GRAPH 25
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-25
Gladiola Station
Lea County, New Mexico



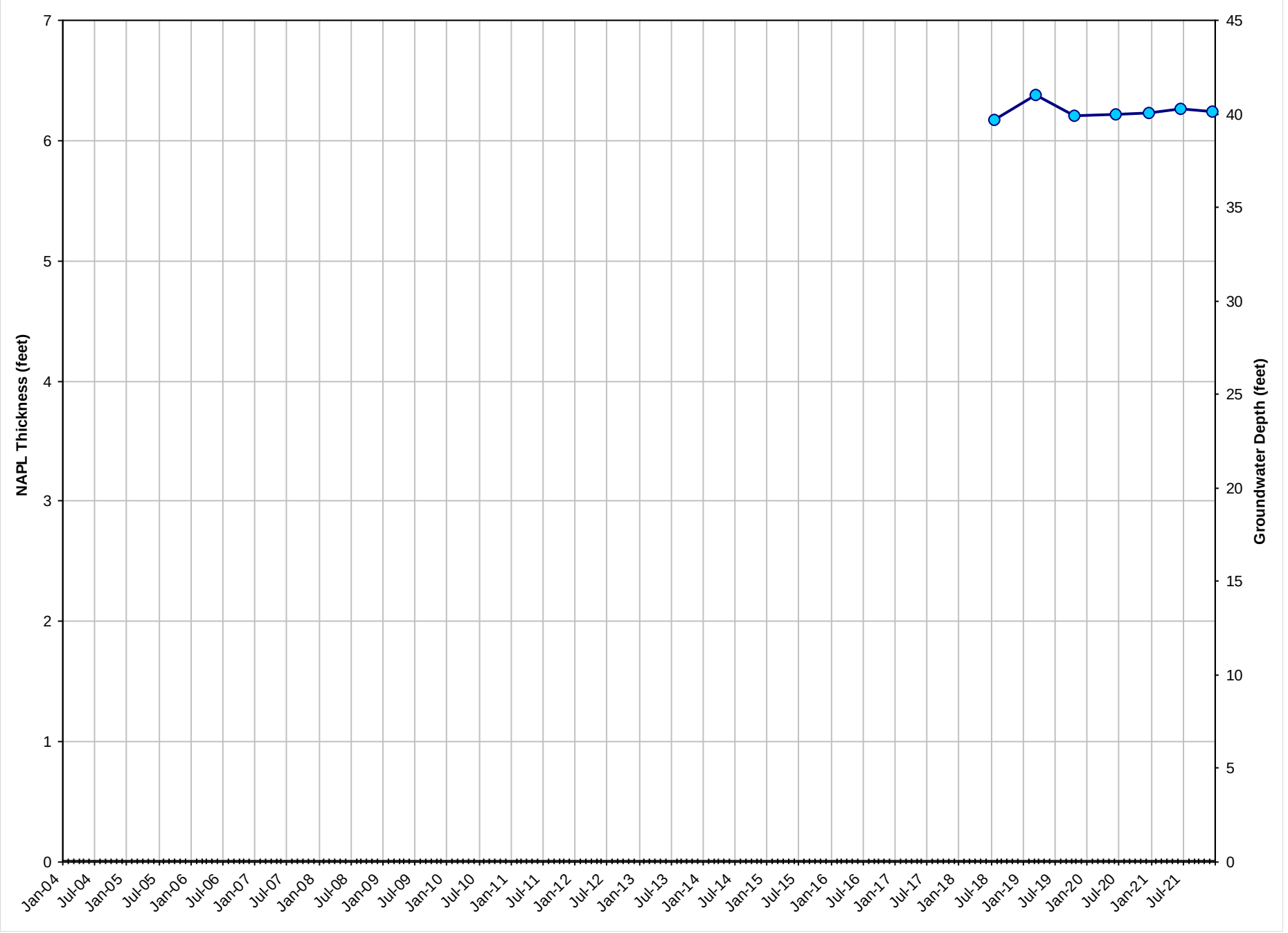
GRAPH 26
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-26
Gladiola Station
Lea County, New Mexico



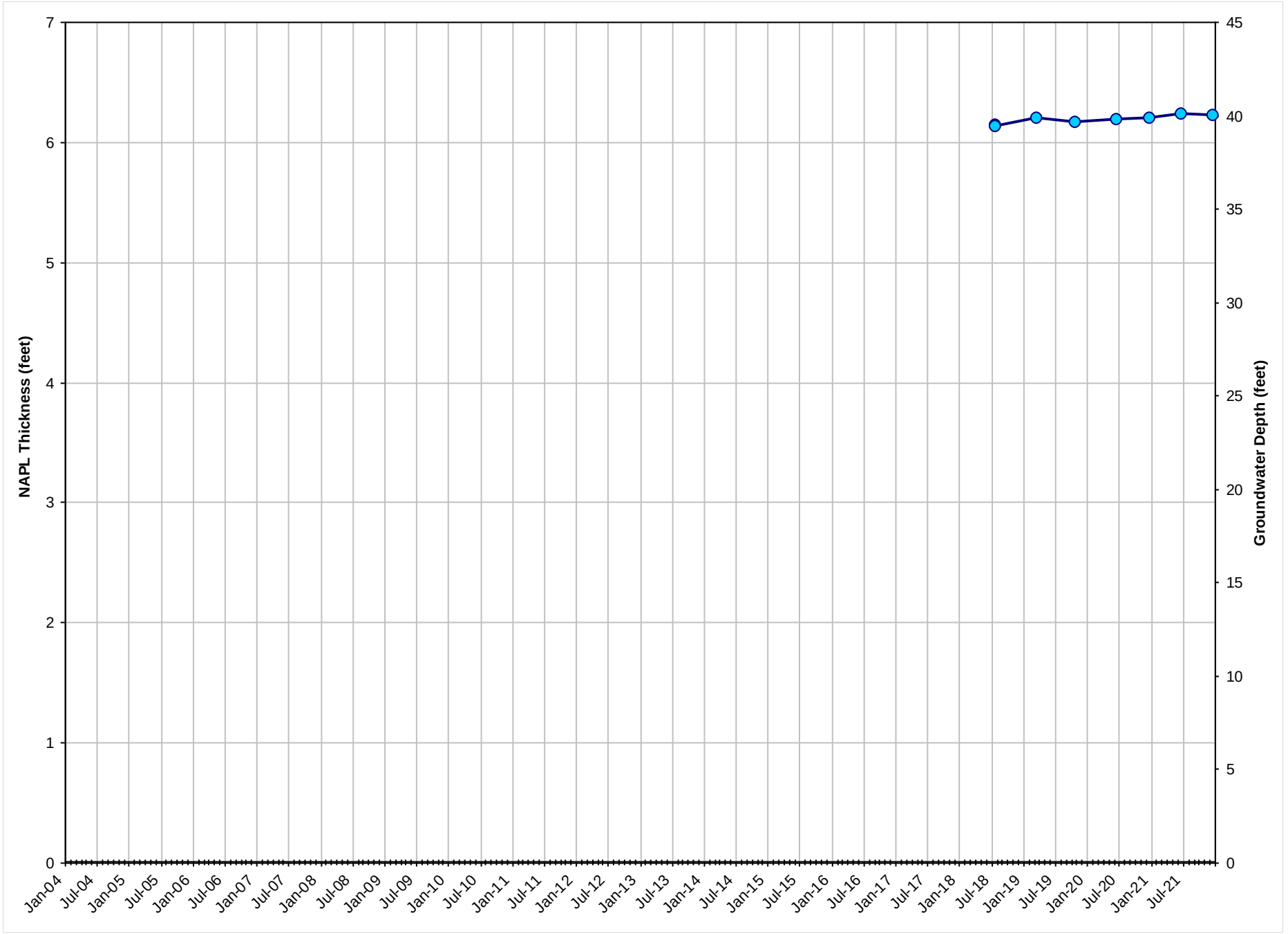
GRAPH 27
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-27
Gladiola Station
Lea County, New Mexico



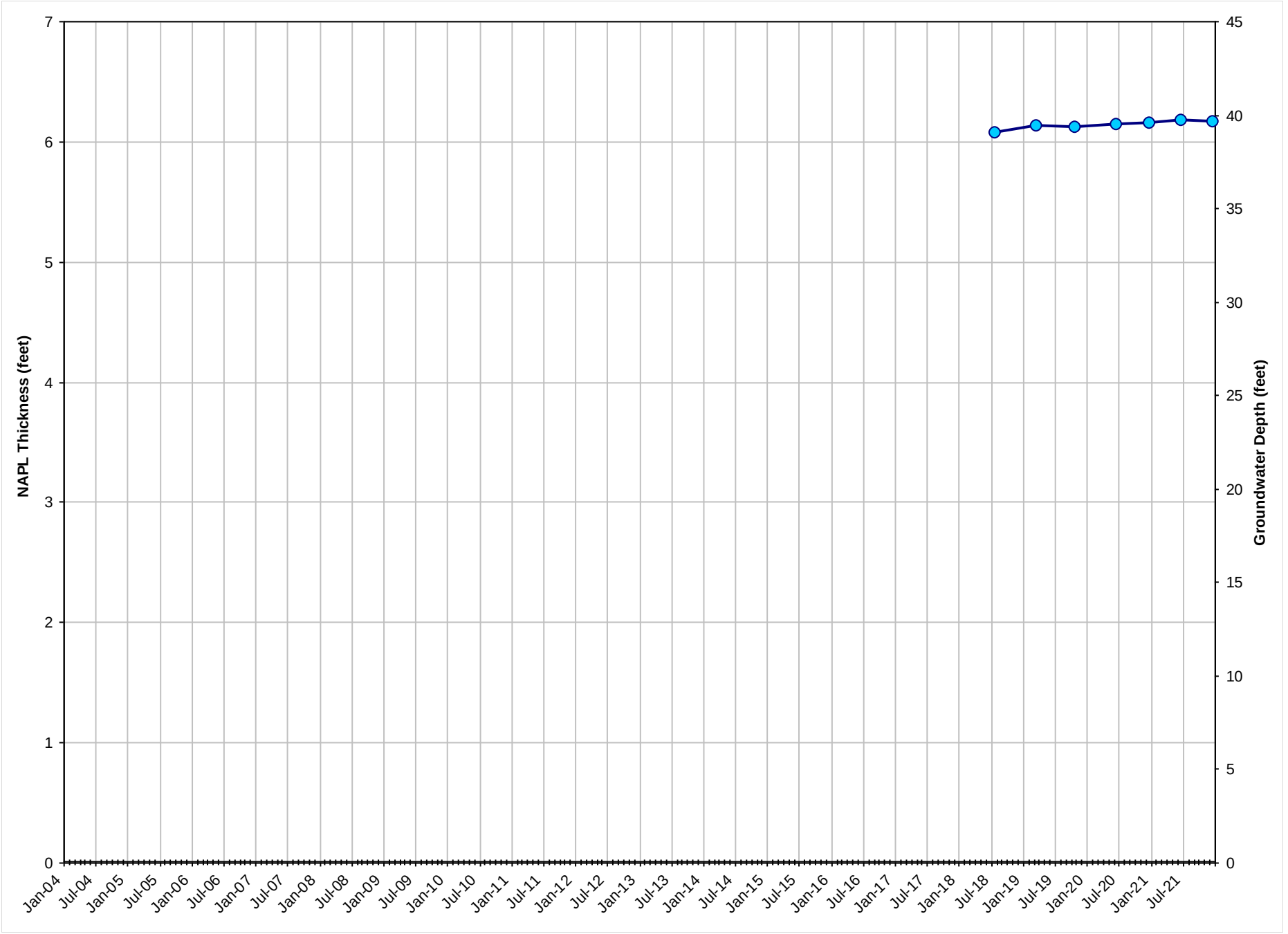
GRAPH 28
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-28
Gladiola Station
Lea County, New Mexico



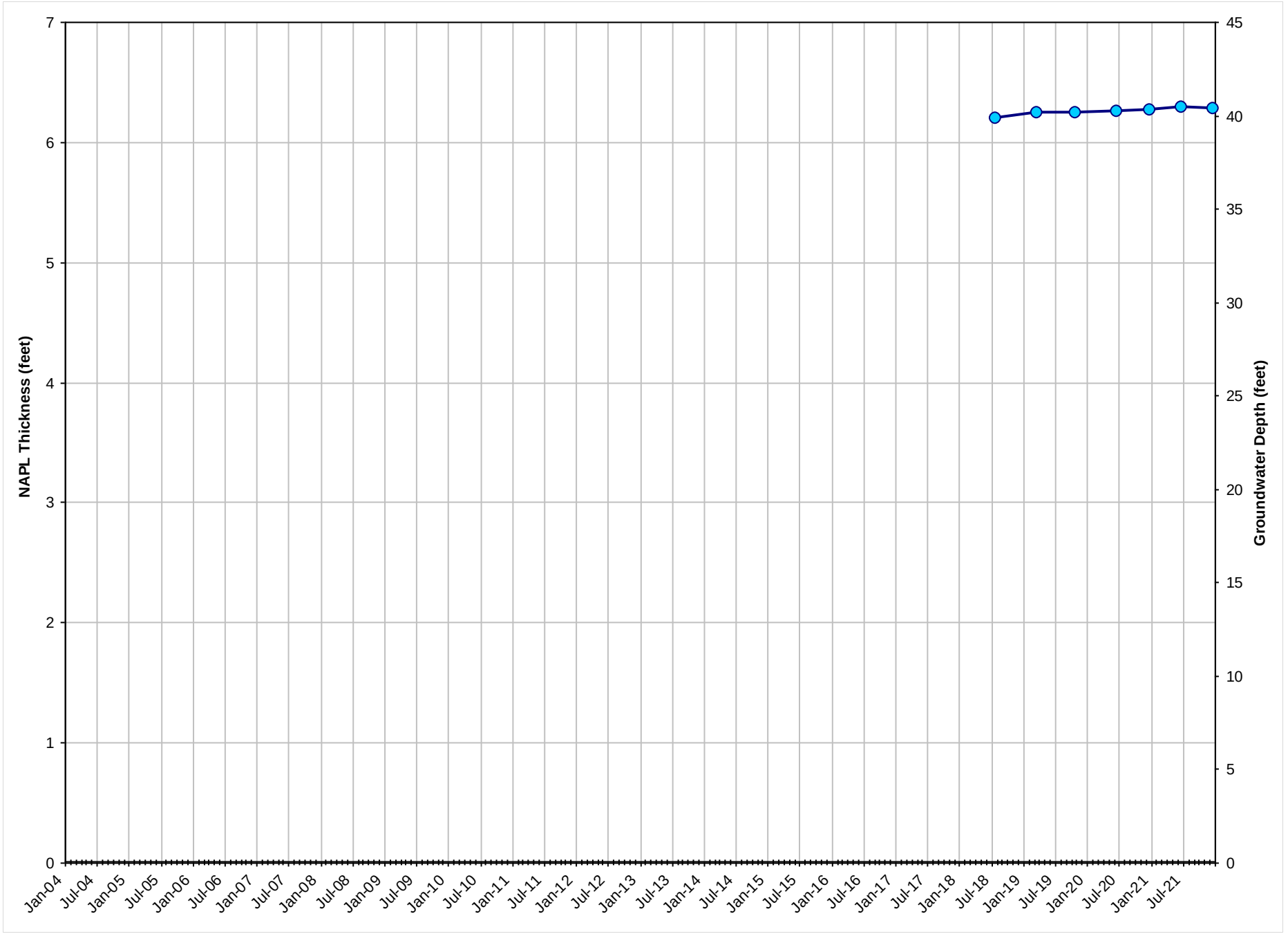
GRAPH 29
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-29
Gladiola Station
Lea County, New Mexico



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

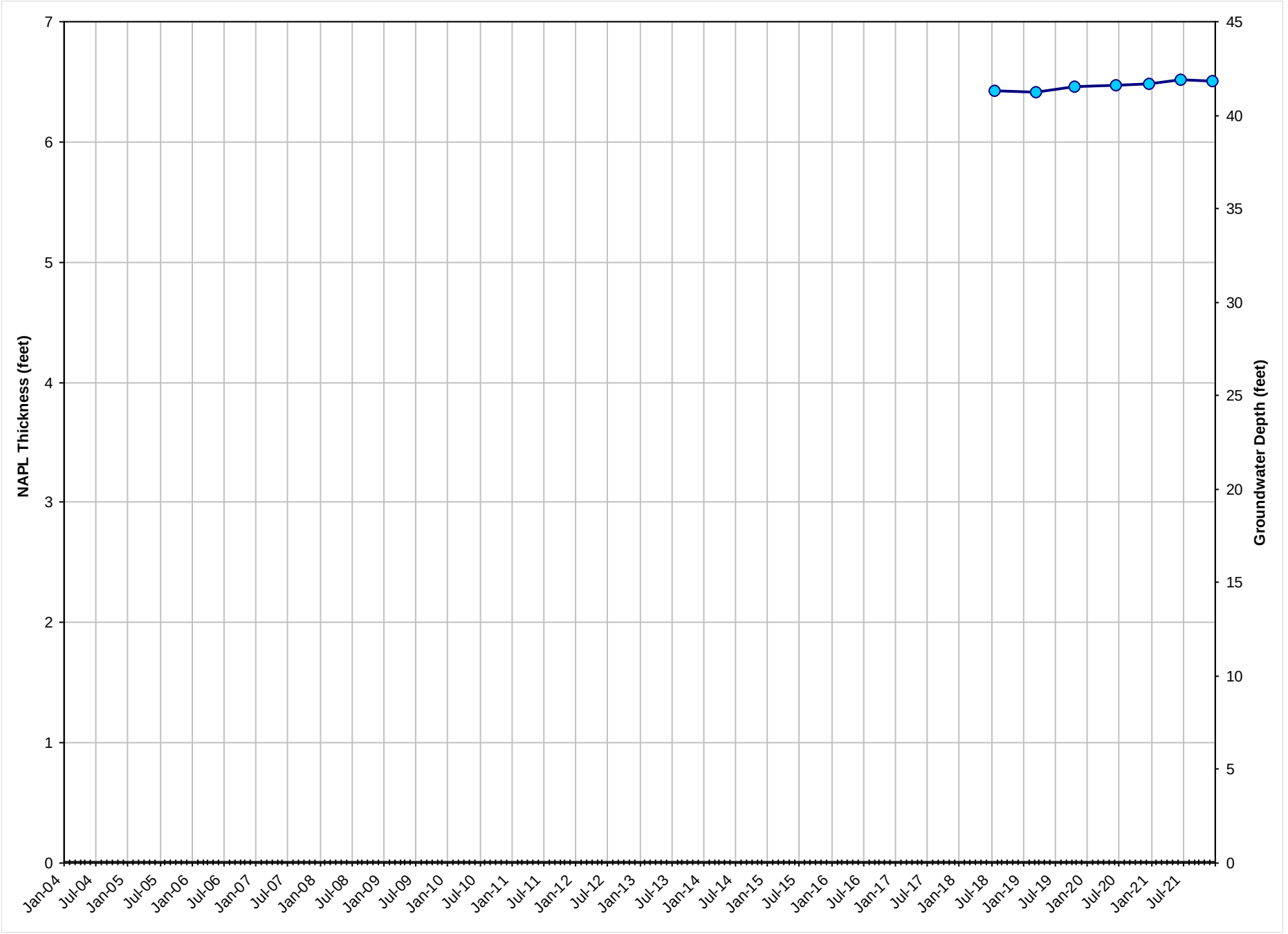


TABLE 1
WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES
Gladiola Station
Lea County, New Mexico
Cardno 3612

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**					
12/20/21	3866.77	37.86	3,829.01	0.12				
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**					
12/20/21	3869.40	41.18	3,828.28	0.07				
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**					
12/20/21	3865.34	36.42	3,828.92	No				
12/22/21	3865.34			No	**0.660**	<0.0050	0.540	<0.010
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**					
12/20/21	3866.32	37.59	3,828.96	0.28				
Field Point MW-5	**Well Screen Interval (feet):**		**27.19-47.19**					
12/20/21	3868.65	39.99	3,829.08	0.50				
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**					
12/20/21	3868.66	39.53	3,829.13	No				
12/22/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**					
12/20/21	3865.76	Dry		No				
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**					
12/20/21	3869.90	41.27	3,828.70	0.08				
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**					
12/20/21	3870.47	41.88	3,828.59	No				
12/22/21	3870.47			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**					
12/20/21	3869.68	41.14	3,828.54	No				
12/21/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**					
12/20/21	3869.40	40.97	3,828.52	0.11				
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**					
12/20/21	3868.76	39.87	3,829.15	0.31				
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**					
12/20/21	3868.62	39.56	3,829.22	0.19				
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**					
12/20/21	3868.86	39.78	3,829.21	0.16				
Field Point MW-16	**Well Screen Interval (feet):**		**26.50-41.50**					
12/20/21	3868.68	39.79	3,829.01	0.15				
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**					
12/20/21	3869.27	40.61	3,828.66	No				
12/21/21	3869.27			No	**0.093**	<0.010	**0.910**	0.270
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**					
12/20/21	3868.94	40.89	3,829.13	1.30				

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**						
12/20/21	3868.90	39.54	3,829.79	0.52				
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
12/20/21	3869.15	40.36	3,829.12	0.40				
Field Point MW-21	**Well Screen Interval (feet):**	**29.50-44.50**						
12/20/21	3869.07	39.89	3,829.30	0.15				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
12/20/21	3869.86	41.44	3,828.42	No				
12/21/21	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
12/20/21	3869.22	40.01	3,829.28	0.08				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
12/20/21	3868.04	39.38	3,829.37	0.86				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
12/20/21	3869.14	40.56	3,828.97	0.47				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
12/20/21	3869.15	41.81	3,828.73	1.67				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3869.12	40.16	3,828.96	No				
12/21/21	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3869.32	40.11	3,829.21	No				
12/21/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3869.36	40.01	3,829.35	No				
12/21/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3869.10	39.68	3,829.42	No				
12/21/21	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3869.05	40.44	3,828.61	No				
12/22/21	3869.05			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
12/20/21	3870.35	41.81	3,828.54	No				
12/21/21	3870.35			No	0.00071	<0.00050	<0.00050	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Cardno 3612

Notes:
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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.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**																		
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0011	<0.00019	0.00061	<0.00019	0.039	0.017	0.021	**0.077**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**																		
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**																		
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**																		
12/21/21	0.000099 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0012	<0.00019	0.00047	<0.00019	0.071	0.031	0.025	**0.127**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**																		
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27	**Well Screen Interval (feet): 35.00-50.00**																		
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**																		
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

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

Notes:
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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.
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X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
12/22/21	0.0222	**9.74**	0.0038 J	0.0064	<0.00500	<0.000248	<0.020	0.0070 J	17.7			**1400**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
12/22/21	0.0157 J	0.291	0.00100 J	0.0041 J	<0.00500	<0.000248	<0.020	<0.010	<2.00			640
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**									
12/22/21	0.0575	0.615	0.0011 J	0.0082	0.0102	0.000325 H	0.0137 J	<0.010				
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/21/21	0.0164 J	0.0441	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	141			**1020 H**
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
12/21/21	<0.00200	**13.1**	0.0027 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	4.43			**1070 H**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
12/21/21	0.0091 J	**12.8**	0.0024 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	29.6			740 H
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
12/21/21	0.0166 J	0.0603	<0.00500	<0.00500	<0.00500	<0.000248	0.0121 J	<0.010	**290**			**1290 H**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
12/21/21	0.0089 J	0.0475	<0.00500	<0.00500	<0.00500	<0.000248	0.020	<0.010	195			**1280 H**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
12/21/21	0.0125 J	0.0446	<0.00500	<0.00500	<0.00500	<0.000248	0.0123 J	<0.010	147			780 H
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
12/21/21	0.0156 J	0.0535	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	129			725 H
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
12/22/21	0.0179 J	0.382	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	91.2			770
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
12/21/21	0.0407	0.345	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	36.5			740 H

TABLE 3

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Cardno 3612

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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.
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X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
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(c) = Analyzed method unknown.
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(e) = Insufficient water to purge.

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**							
05/17/04	3863.81	32.74	3831.07	No				
11/30/04	3863.81	30.83	3835.00	2.43				
05/05/05	3863.81	29.20	3835.25	0.77				
07/24/06	3863.81	28.71	3835.58	0.58	**1.6**	0.236	0.181	**0.815**
02/08/07	3863.81	28.92	3835.27	0.46	**1.1**	0.106	0.362	**1.46**
04/15/08	3863.81	29.45	3834.68	0.39				
09/21/08	3863.81			No				
09/26/08	3863.81	29.58	3834.51	0.34	**1.03**	0.00434	0.551	**1.63**
02/15/09	3863.81	30.50	3833.60	0.35				
05/19/09	3863.81	30.85	3833.32	0.43	**1.12**	0.00132	0.563	**1.22**
08/19/09	3865.14	31.75	3833.68	0.35	**1.06**	0.227	0.67	**1.51**
10/30/09	3865.14	31.73	3833.64	0.28	**1.01**	0.00225	**0.774**	**1.63**
10/12/11	3865.14	34.60	3831.00	0.55				
02/22/12	3865.14	34.85	3830.66	0.45				
07/17/12	3866.63	35.26	3831.77	0.48				
10/03/12	3866.63	35.42	3831.58	0.45				
05/14/13	3866.63	35.83	3831.12	0.39				
01/27/14	3866.63	36.83	3830.57	0.93				
06/17/14	3866.63	36.92	3830.19	0.58				
11/18/14	3866.63	36.94	3830.19	0.60				
12/07/15	3866.63	36.87	3830.11	0.42				
04/26/16	3866.63	37.20	3829.73	0.36				
10/24/16	3866.63	36.64	3830.17	0.22				
05/22/17	3866.63	37.41	3829.56	0.41				
11/28/17	3866.63	37.18	3829.67	0.27				
07/17/18	3866.77	37.52	3829.57	0.38				
03/04/19	3866.77	37.82	3,829.32	0.44				
10/01/19	3866.77	37.82	3,829.25	0.36				
06/23/20	3866.77	37.89	3,829.19	0.37				
12/14/20	3866.77	38.20	3,828.60	0.04				
06/29/21	3866.77	37.92	3,828.97	0.14				
12/20/21	3866.77	37.86	3,829.01	0.12				
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.			

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**						
06/23/20	3869.40	Dry		No	Well filled with silt up to the groundwater level.			
12/14/20	3869.40	Dry		No				
06/29/21	3869.40	Dry		No				
12/20/21	3869.40	41.18	3,828.28	0.07				
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**						
05/17/04	3863.72	32.79	3830.93	No				
11/30/04	3863.72	30.08	3834.01	0.44				
05/05/05	3863.72	28.90	3835.02	0.24				
07/24/06	3863.72	28.87	3835.06	0.25	**0.0452**	0.00715	0.0974	0.015
02/08/07	3863.72	28.79	3835.02	0.11	**0.586**	0.00522	0.114	0.360
04/15/08	3863.72	29.42	3834.48	0.22				
09/22/08	3863.72			No				
09/26/08	3863.72	29.99	3833.90	0.20	**1.55**	<0.00100	0.133	0.310
02/15/09	3863.72	29.90	3833.94	0.15				
05/19/09	3863.72	30.82	3833.14	0.29	**1.2**	<0.00100	0.116	0.206
08/19/09	3863.72	31.15	3832.86	0.35	**2.05**	<0.00100	0.174	0.317
10/30/09	3863.72	31.16	3832.83	0.33	**1.96**	<0.00100	0.166	0.320
10/12/11	3863.72	33.10	3830.94	0.38				
02/22/12	3863.72	33.30	3830.58	0.19				
07/17/12	3865.25	33.80	3831.71	0.31				
10/03/12	3865.25	33.94	3831.51	0.24				
05/14/13	3865.25	34.31	3831.04	0.12				
01/27/14	3865.25	35.04	3830.47	0.31				
06/17/14	3865.25	35.33	3830.13	0.25				
11/18/14	3865.25	35.34	3830.02	0.13				
12/07/15	3865.25	35.39	3829.93	0.09				
04/26/16	3865.25	35.69	3829.71	0.18				
10/24/16	3865.25	35.42	3829.93	0.12				
05/22/17	3865.25	35.80	3829.52	0.09				
11/28/17	3865.25	35.70	3829.57	0.02	Insufficient water to sample.			
07/17/18	3865.34	35.80	3829.54	No				
03/04/19	3865.34	36.13	3,829.21	Sheen				
10/01/19	3865.34	36.11	3,829.23	Sheen				
06/23/20	3865.34	36.16		No	Insufficient water to sample.			
12/14/20	3865.34	36.38	3,828.96	No				
12/16/20	3865.34			No	**0.550**	<0.0040	0.430	<0.0080
06/29/21	3865.34	36.48	3,828.86	No				
07/01/21	3865.34			No	**0.540**	<0.0050	0.460	<0.010
12/20/21	3865.34	36.42	3,828.92	No				
12/22/21	3865.34			No	**0.660**	<0.0050	0.540	<0.010
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
07/25/06	3864.66	29.57	3835.09	No	**3.14**	0.0387	0.153	0.318
02/07/07	3864.66	29.66	3835.00	No	**2.78**	0.0239	0.215	0.451
04/15/08	3864.66	30.21	3834.45	No	**3.39**	0.0151	0.337	**0.662**
09/21/08	3864.66			No				
09/26/08	3864.66	30.75	3833.93	0.02	**2.95**	0.0276	0.328	**0.688**
02/15/09	3864.66	31.09	3833.58	0.01				
05/19/09	3864.66	31.73	3833.10	0.20	**1.93**	0.00189	0.170	0.546
08/19/09	3864.66	31.82	3832.98	0.17	**2.89**	<0.00100	0.336	0.600
10/30/09	3864.66	31.80	3832.96	0.12	**2.92**	0.0011	0.347	0.619
10/12/11	3864.66	34.09	3830.91	0.41				

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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
10/01/19	3866.32	37.61	3,829.21	0.60				
06/23/20	3866.32	37.62	3,829.18	0.58				
12/14/20	3866.32	37.80	3,828.96	0.53				
06/29/21	3866.32	37.65	3,828.94	0.33				
12/20/21	3866.32	37.59	3,828.96	0.28				
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				

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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
12/14/20	3868.65	39.97	3,829.11	0.52				
06/29/21	3868.65	40.00	3,828.99	0.41				
12/20/21	3868.65	39.99	3,829.08	0.50				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
07/21/06	3867.00	31.84	3835.16	No	**0.034**	0.001	0.001	0.0531
02/07/07	3867.00	31.93	3835.07	No	0.00667	<0.00100	<0.00100	0.0245
04/15/08	3867.00	32.51	3834.49	No	**1.34**	<0.00100	<0.00100	<0.00300
09/21/08	3867.00			No				
09/26/08	3867.00	33.08	3833.92	No	0.00261	<0.00100	<0.00100	<0.00300
02/06/09	3867.00	33.51	3833.49	No	0.00143	<0.00100	<0.00100	<0.00300
05/18/09	3867.00	33.87	3833.13	No	0.00184	<0.00100	<0.00100	<0.00300
08/19/09	3867.00	34.15	3832.85	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.00	34.35	3832.65	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3867.00	34.42	3832.58	No				
10/13/11	3867.00	36.14	3830.86	No				
02/22/12	3867.00	38.65	3828.35	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.52	36.78	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.52	37.40	3831.12	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.52	37.49	3831.03	No	0.000202 J	<0.00017	<0.00019	<0.00018
01/28/14	3868.52	38.07	3830.45	No	<0.0002	<0.00017	<0.00019	<0.00058
06/18/14	3868.52	38.38	3830.14	No	<0.0002	<0.00017	<0.00019	<0.00038
11/19/14	3868.52	38.54	3829.98	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.52	38.60	3829.92	No	<0.00100	<0.00100	<0.00100	<0.00300
04/26/16	3868.52	38.91	3829.61	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3868.52	38.79	3829.73	No				
10/25/16	3868.52				Unable to sample due to silt in pump.			
05/22/17	3868.52	38.93	3829.59	No				
05/24/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3868.52	38.91	3829.61	No				
11/29/17	3868.52			No	<0.00050	<0.00050	<0.00050	<0.00050
07/17/18	3868.66	39.02	3829.64	No				
07/20/18	3868.66			No	<0.00050	<0.00050	<0.00050	<0.00050
03/07/19	3868.66	39.26	3,829.40	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3868.66	39.32	3,829.34	No	Insufficient water to sample.			
06/23/20	3868.66	39.35		No	Insufficient water to sample.			
12/14/20	3868.66	39.49		No	Insufficient water to sample.			
06/29/21	3868.66	39.65	3,829.01	No				
07/01/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3868.66	39.53	3,829.13	No				
12/22/21	3868.66			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**						
07/25/06	3864.14	29.05	3835.09	No	**0.0279**	0.00113	0.00385	0.0288
02/07/07	3864.14	29.08	3835.06	No	**0.0332**	<0.00100	0.0244	0.0276
04/15/08	3864.14	29.67	3834.47	No	**0.0147**	<0.00100	0.00422	0.0167
09/20/08	3864.14			No				
09/26/08	3864.14	30.17	3833.97	No	**0.0194**	<0.00100	0.00260	0.0161
02/05/09	3864.14	30.54	3833.60	No	**0.0158**	<0.00100	0.00424	0.0122
05/18/09	3864.14	31.08	3833.06	No	**0.0138**	<0.00100	0.00270	0.0107
08/19/09	3864.14	31.20	3832.94	No	**0.0250**	<0.00100	<0.00100	0.0160
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300

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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-7	**Well Screen Interval (feet): 24.35-39.35**							
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				
06/29/21	3865.76	Dry		No				
12/20/21	3865.76	Dry		No				
Field Point MW-8	**Well Screen Interval (feet): 23.05-38.05**							
07/25/06	3863.80	28.74	3835.06	No	**0.0176**	0.001	0.00724	0.0236
02/07/07	3863.80	28.82	3834.98	No	0.00561	<0.00100	0.0138	0.00655
04/15/08	3863.80	29.40	3834.40	No	0.00319	<0.00100	0.00382	0.00614
09/20/08	3863.80			No				
09/26/08	3863.80	29.92	3833.88	No	0.00385	<0.00100	0.00722	0.0151
02/05/09	3863.80	30.31	3833.49	No	0.00337	<0.00100	0.00552	0.00313
05/18/09	3863.80	30.72	3833.08	No	0.00201	<0.00100	0.00406	0.00337
08/19/09	3863.80	29.95	3833.85	No	<0.00100	<0.00100	0.00318	0.00620
10/30/09	3863.80	29.99	3833.81	No	0.00124	<0.00100	<0.00100	0.00653
10/12/11	3863.80				Not measured or sampled.			
02/22/12	3863.80	33.40	3830.42	0.02				
07/17/12	3865.32	33.80	3831.68	0.19				
10/03/12	3865.32	33.96	3831.58	0.26				
05/14/13 - Present	3865.32				Unable to locate - Presumed destroyed.			
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
07/21/06	3868.29	33.48	3834.81	No	0.00137	0.001	0.001	0.003
02/06/07	3868.29	33.60	3834.69	No	0.00170	<0.00100	<0.00100	<0.00300
04/15/08	3868.29	34.10	3834.19	No	0.00254	<0.00100	<0.00100	<0.00300
09/21/08	3868.29			No				
09/26/08	3868.29	34.66	3833.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/05/09	3868.29	35.16	3833.13	No	0.00585	<0.00100	<0.00100	<0.00300
05/18/09	3868.29	35.44	3832.85	No	0.00404	<0.00100	<0.00100	<0.00300
08/19/09	3868.29	35.70	3832.59	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.29	35.93	3832.36	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.29	37.66	3830.63	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.29	38.49	3829.80	No	0.00136	<0.00100	<0.00100	<0.00300
07/17/12	3869.82	38.30	3831.52	No	0.00529	<0.00100	0.00654	0.0132
10/03/12	3869.82	38.40	3831.50	0.10	**0.135**	0.00971	0.177	**0.829**
05/14/13	3869.82	38.99	3830.88	0.06				
01/28/14	3869.82	40.12	3830.14	0.53				
06/17/14	3869.82	40.22	3829.84	0.29				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-9	**Well Screen Interval (feet): 27.64-42.64**							
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				
06/29/21	3869.90	41.51	3,828.49	0.12				
12/20/21	3869.90	41.27	3,828.70	0.08				
Field Point MW-10	**Well Screen Interval (feet): 28.08-43.08**							
07/21/06	3868.85	34.10	3834.75	No	**0.0133**	0.001	0.001	0.003
02/06/07	3868.85	34.22	3834.63	No	**0.0115**	<0.00100	<0.00100	<0.00300
04/15/08	3868.85	34.76	3834.09	No	0.00599	<0.00100	<0.00100	<0.00300
09/21/08	3868.85			No				
09/26/08	3868.85	35.34	3833.51	No	0.00635	<0.00100	<0.00100	<0.00300
02/05/09	3868.85	35.84	3833.01	No	0.00409	<0.00100	<0.00100	<0.00300
05/18/09	3868.85	36.12	3832.73	No	0.00348	<0.00100	<0.00100	<0.00300
08/19/09	3868.85	36.40	3832.45	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.85	36.61	3832.24	No	<0.00100	<0.00100	<0.00100	<0.00300
11/19/09	3868.85	36.65	3832.20	No				
10/13/11	3868.85	38.30	3830.55	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.85	38.83	3830.02	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3870.38	38.96	3831.42	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3870.38	39.46	3830.92	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3870.38	39.72	3830.66	No	0.000879 J	<0.00017	<0.00019	<0.00018
05/15/13 D	3870.38	39.72	3830.66	No	0.00138	<0.00017	<0.00019	<0.00018
01/29/14	3870.38	40.33	3830.05	No	0.000898 J	<0.00017	<0.00019	<0.00058
06/18/14	3870.38	41.64	3828.74	No	Insufficient recharge for sampling.			
11/19/14	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
11/19/14 D	3870.38	40.89	3829.49	No	<0.00100	<0.00100	<0.00100	<0.002
12/07/15	3870.38	40.91	3829.47	No	Insufficient water to sample.			
04/26/16	3870.38	41.47	3828.91	No	Insufficient water to sample.			
10/24/16	3870.38	41.17	3829.21	No	Insufficient water to sample.			
05/22/17	3870.38	41.25	3829.13	No				
05/24/17	3870.38			No	<0.00050	<0.00050	<0.00050	<0.00050
11/28/17	3870.38	41.29	3829.09	No				
11/29/17	3870.38			No	0.00051	<0.00050	<0.00050	<0.00050
07/17/18	3870.47	41.27	3829.20	No				
07/20/18	3870.47	41.30	3829.17	No	0.00078	<0.00050	<0.00050	<0.00050
03/07/19	3870.47	41.58	3,828.89	No	0.00073	<0.00050	<0.00050	<0.00050
10/01/19	3870.47	41.58	3,828.89	No	Insufficient water to sample.			
06/23/20	3870.47	41.62		No	Insufficient water to sample.			
12/14/20	3870.47	41.72		No	Insufficient water to sample.			
06/29/21	3870.47	41.90	3,828.57	No				
07/01/21	3870.47			No	0.00094 J	<0.0010	<0.0010	0.0041
12/20/21	3870.47	41.88	3,828.59	No				
12/22/21	3870.47			No	<0.00050	<0.00050	<0.00050	<0.0010

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06			No				
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06			No	<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06			No	<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3,828.79	No				
03/07/19	3869.68	40.71	3,828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.68	40.86	3,828.82	No				
10/03/19	3869.68			No	<0.00050	<0.00050	0.00033 J	<0.0010
06/23/20	3869.68	40.93	3,828.75	No				
06/25/20	3869.68			No	0.00011 J	<0.00050	0.000099 J	<0.0010
12/14/20	3869.68	41.01	3,828.67	No				
12/16/20	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.68	41.19	3,828.49	No				
07/01/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.68	41.14	3,828.54	No				
12/21/21	3869.68			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
04/30/08	3867.74	31.50	3836.24	No	**0.0504**	0.00401	0.242	0.598
09/21/08	3867.74			No				
09/26/08	3867.74	34.12	3833.62	No	**0.222**	0.0116	**0.978**	**1.84**
02/05/09	3867.74	34.67	3833.07	No	**0.178**	0.0134	**1.19**	**2.22**
05/19/09	3867.74	34.98	3832.76	No	**0.143**	0.0128	**0.882**	**1.65**
08/19/09	3867.74	35.20	3832.54	No	**0.162**	0.00987	**0.937**	**1.68**
10/30/09	3867.74	35.45	3832.29	No	**0.162**	0.0128	**1.02**	**1.99**
10/13/11	3867.74	37.12	3830.62	No	**0.055**	0.00603	0.476	**1.01**
02/22/12	3867.74	37.46	3830.28	No	**0.059**	0.005	**0.869**	**1.66**
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
11/17/14	3869.27	40.50	3829.54	0.93				
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
11/28/17	3869.27	40.58	3829.09	0.48				
07/17/18	3869.40	40.57	3829.21	0.46				
03/04/19	3869.40	40.81	3,828.98	0.47				
10/01/19	3869.40	40.78	3,828.94	0.39				
06/23/20	3869.40	40.76	3,828.92	0.34				
12/14/20	3869.40	40.79	3,828.73	0.15				
06/29/21	3869.40	40.93	3,828.63	0.19				
12/20/21	3869.40	40.97	3,828.52	0.11				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
04/30/08	3867.11	29.65	3837.46	No	**3.64**	0.102	0.292	0.499
09/21/08	3867.11			No				
09/26/08	3867.11	33.11	3834.00	No	**9.26**	0.513	**0.972**	**1.71**
02/06/09	3867.11	33.62	3833.49	No	**10.1**	0.554	**1.050**	**1.89**
05/19/09	3867.11	33.88	3833.23	No	**8.44**	0.323	**0.842**	**1.38**
08/19/09	3867.11	34.32	3832.89	0.12	**8.13**	0.305	**0.950**	**2.07**
10/30/09	3867.11	34.45	3832.72	0.07	**9.55**	0.218	**1.03**	**1.75**
10/13/11	3867.11	36.90	3831.00	0.95				
02/22/12	3867.11	37.78	3829.89	0.68				
07/17/12	3868.63	38.85	3831.86	2.50				
10/03/12	3868.63	39.02	3831.67	2.48				
05/14/13	3868.63	38.89	3831.30	1.88				
01/28/14	3868.63	39.91	3830.47	2.11				
06/17/14	3868.63	39.91	3830.19	1.77				
11/18/14	3868.63	41.56	3829.97	3.49				
12/07/15	3868.63	41.31	3829.94	3.16				
04/26/16	3868.63	40.12	3829.79	1.54				
10/24/16	3868.63	39.55	3829.87	0.95				
05/22/17	3868.63	39.91	3828.78	0.07				
11/28/17	3868.63	39.85	3829.62	1.01				
07/17/18	3868.76	39.86	3829.70	0.96				
03/04/19	3868.76	40.17	3,829.44	1.02				
10/01/19	3868.76	40.24	3,829.37	1.03				
06/23/20	3868.76	40.35	3,829.31	1.09				
12/14/20	3868.76	39.91	3,829.15	0.36				
06/29/21	3868.76	40.10	3,829.07	0.49				
12/20/21	3868.76	39.87	3,829.15	0.31				
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

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-14	**Well Screen Interval (feet): 27.00-42.00**							
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				
06/29/21	3868.62	39.47	3,829.17	0.03				
12/20/21	3868.62	39.56	3,829.22	0.19				
Field Point MW-15	**Well Screen Interval (feet): 29.00-44.00**							
04/30/08	3867.19	29.74	3837.45	No	**1.230**	0.167	0.320	0.554
09/21/08	3867.19			No				
09/26/08	3867.19	33.26	3833.94	0.01	**6.540**	**1.350**	**1.130**	**2.4**
02/15/09	3867.19	33.82	3833.44	0.09				
05/19/09	3867.19	34.20	3833.12	0.16	**3.800**	0.632	**0.848**	**1.8**
08/19/09	3867.19	34.40	3832.91	0.15	**3.850**	**0.892**	**0.799**	**2.25**
10/30/09	3867.19	34.60	3832.69	0.12	**8.96**	0.228	**0.949**	**1.66**
10/13/11	3867.19	38.04	3831.01	2.24				
02/22/12	3867.19	38.41	3830.71	2.32				
07/17/12	3868.74	38.20	3832.03	1.80				
10/03/12	3868.74	39.95	3831.57	3.35				
05/14/13	3868.74	40.11	3831.12	3.00				
01/28/14	3868.74	40.21	3830.47	2.34				
06/17/14	3868.74	39.35	3830.19	0.96				
11/18/14	3868.74	39.76	3830.13	1.39				
12/07/15	3868.74	40.31	3830.25	2.19				
04/26/16	3868.74	39.61	3829.89	0.91				
10/24/16	3868.74	38.70	3830.41	0.44				
05/22/17	3868.74	38.92	3829.84	0.02				
11/28/17	3868.74	38.96	3830.03	0.30				
07/17/18	3868.86	39.33	3829.79	0.31				
03/04/19	3868.86	39.63	3,829.51	0.34				
10/01/19	3868.86	39.71	3,829.42	0.33				
06/23/20	3868.86	39.80	3,829.35	0.35				
12/14/20	3868.86	39.93	3,829.06	0.16				
06/29/21	3868.86	39.75	3,829.23	0.14				
12/20/21	3868.86	39.78	3,829.21	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

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-16	**Well Screen Interval (feet): 26.50-41.50**							
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				
06/29/21	3868.68	39.65	3,829.20	0.20				
12/20/21	3868.68	39.79	3,829.01	0.15				
Field Point MW-17	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.64	35.22	3832.42	No	**1.28**	0.0146	**0.845**	**1.19**
10/30/09	3867.64	35.40	3832.24	No	**1.52**	0.0211	**0.986**	**1.55**
10/13/11	3867.64	37.10	3830.54	No	**0.68**	<0.00100	0.407	0.524
02/22/12	3867.64	37.40	3830.24	No	**0.871**	<0.00100	0.727	**1.16**
07/17/12	3869.14	37.75	3831.39	No	**0.649**	0.00494	0.504	0.438
10/03/12	3869.14	38.20	3830.94	No	**0.825**	0.0103	0.682	**1.22**
05/14/13	3869.14	38.52	3830.62	Sheen				
01/28/14	3869.14	39.14	3830.00	Sheen				
06/17/14	3869.14	39.43	3829.71	Sheen				
11/07/14	3869.14	39.64	3829.50	Sheen				
12/09/15	3869.14	39.72	3829.42	Sheen				
04/26/16	3869.14	38.36	3830.78	Sheen				
10/24/16	3869.14	39.93	3829.21	(d)				
05/22/17	3869.14	40.00	3829.16	0.02				
11/28/17	3869.14	40.09	3829.05	No				
11/29/17	3869.14			No	**0.17**	<0.012	**0.77**	0.27
07/17/18	3869.27	40.08	3829.19	No				
07/18/18	3869.27			No	**0.15**	<0.010	0.72	0.20
03/04/19	3869.27	40.38	3828.89	No				
03/06/19	3869.27	40.20	3,829.07	No	**0.12**	<0.010	0.59	0.052 J,B
10/01/19	3869.27	40.34	3,828.93	No				
10/03/19	3869.27			No	**0.12**	<0.010	0.73	0.20
06/23/20	3869.27	40.41	3,828.86	No				
06/25/20	3869.27			No	**0.140**	<0.010	**0.910**	0.130
12/14/20	3869.27	40.48	3,828.79	No				
12/16/20	3869.27			No	**0.100**	<0.0020	0.580	0.150
06/29/21	3869.27	40.67	3,828.60	No				

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**						
06/30/21	3869.27			No	**0.110**	<0.010	**0.880**	0.540
12/20/21	3869.27	40.61	3,828.66	No				
12/21/21	3869.27			No	**0.093**	<0.010	**0.910**	0.270
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				
06/29/21	3868.94	40.92	3,829.05	1.24				
12/20/21	3868.94	40.89	3,829.13	1.30				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
08/19/09	3867.26	34.22	3833.04	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.26	34.40	3832.86	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.26	36.08	3831.18	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.26	37.14	3830.12	No	0.00188	<0.00100	0.192	0.329
07/17/12	3868.75	36.81	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.75	36.98	3831.77	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.75	37.51	3831.24	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.75	38.15	3830.60	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.75	38.43	3830.32	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.75	38.66	3830.09	No	<0.00100	<0.00100	<0.00100	<0.002
12/09/15	3868.75	38.68	3830.07	No	0.00413	<0.00100	<0.00100	0.0714
04/27/16	3868.75	38.91	3829.84	No	0.00416	<0.00100	<0.00100	0.0569
10/24/16	3868.75	38.86	3829.89	No				
10/25/16	3868.75			No	0.00153	<0.00100	<0.00100	0.0343
05/22/17	3868.75	39.00	3829.75	No				
05/24/17	3868.75			No	0.0011	0.00020 J	0.00060	0.0030
11/28/17	3868.75	39.08	3829.67	No				
11/29/17	3868.75			No	0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	No				
07/18/18	3868.90			No	0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3,829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
10/01/19	3868.90	39.35	3,829.55	No				
10/02/19	3868.90			No	0.00019 J	<0.00050	<0.00050	<0.0010
06/23/20	3868.90	39.47	3,829.43	No				

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**							
06/24/20	3868.90			No	0.00017 J	<0.00050	0.00038 J	0.0010
12/14/20	3868.90	39.55	3,829.35	No				
12/15/20	3868.90			No	0.00038 J	<0.00050	0.0032	<0.0010
06/29/21	3868.90	39.80	3,829.19	0.11				
12/20/21	3868.90	39.54	3,829.79	0.52				
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				
06/29/21	3869.15	41.10	3,829.01	1.16				
12/20/21	3869.15	40.36	3,829.12	0.40				
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	No				
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300
05/22/17	3868.89	39.26	3829.73	0.12				
11/28/17	3868.89	39.63	3829.62	0.43				
07/17/18	3869.07	40.05	3829.86	1.01				
03/04/19	3869.07	40.24	3,829.62	0.95				
10/01/19	3869.07	40.13	3,829.55	0.74				
06/23/20	3869.07	40.20	3,829.49	0.75				
12/14/20	3869.07	39.89	3,829.33	0.18				
06/29/21	3869.07	40.01	3,829.19	0.16				

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**						
12/20/21	3869.07	39.89	3,829.30	0.15				
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
06/29/21	3869.86	41.51	3,828.35	No				
07/01/21	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.86	41.44	3,828.42	No				
12/21/21	3869.86			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
02/22/12	3867.58	36.77	3830.81	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.08	37.13	3831.95	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.08	37.30	3831.78	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.08	37.88	3831.20	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3869.08	38.51	3830.57	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.08	38.79	3830.29	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3869.08	39.03	3830.05	No	**0.13**	<0.00100	0.0092	0.065
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150
10/24/16	3869.08	34.35	3834.82	0.11				
05/22/17	3869.08	39.42	3829.75	0.11				
11/28/17	3869.08	39.50	3829.65	0.08				
07/17/18	3869.22	39.46	3829.82	0.07				
03/04/19	3869.22	39.72	3,829.58	0.10				
10/01/19	3869.22	39.74	3,829.52	0.05				
06/23/20	3869.22	39.81	3,829.47	0.07				
12/14/20	3869.22	39.96	3,829.30	0.05				

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-23	**Well Screen Interval (feet): 31.00-46.00**							
06/29/21	3869.22	40.07	3,829.17	0.03				
12/20/21	3869.22	40.01	3,829.28	0.08				
Field Point MW-24	**Well Screen Interval (feet): 28.00-43.00**							
02/22/12	3866.60	35.74	3830.89	0.04				
07/17/12	3867.88	39.70	3831.62	4.15				
10/03/12	3867.88	40.09	3831.40	4.35				
05/14/13	3867.88	38.05	3831.35	1.83				
01/28/14	3867.88	41.92	3830.28	5.21				
06/17/14	3867.88	43.09	3830.04	6.33				
11/18/14	3867.88	43.30	3829.98	6.50				
12/07/15	3867.88	42.51	3829.94	5.50				
04/27/16	3867.88	41.39	3829.54	3.68				
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	1.80				
11/28/17	3867.88	40.54	3830.11	3.34				
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3,829.39	1.80				
10/01/19	3868.04	39.98	3,828.91	1.02				
06/23/20	3868.04	40.95	3,829.21	2.55				
12/14/20	3868.04	40.04	3,829.05	1.27				
06/29/21	3868.04	38.44	3,830.51	1.10				
12/20/21	3868.04	39.38	3,829.37	0.86				
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				
06/29/21	3869.14	40.78	3,828.92	0.67				
12/20/21	3869.14	40.56	3,828.97	0.47				
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

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**						
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	No				
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	No				
05/24/17	3868.98			No	**0.037**	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	No				
11/29/17	3868.98			No	0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	No				
07/18/18	3869.15			No	**0.12**	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3,829.01	0.55				
10/01/19	3869.15	41.41	3,829.01	1.53				
06/23/20	3869.15	41.60	3,828.94	1.67				
12/14/20	3869.15	41.82	3,828.77	1.74				
06/29/21	3869.15	42.01	3,828.63	1.80				
12/20/21	3869.15	41.81	3,828.73	1.67				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.12	39.63	3829.49	No				
07/19/18	3869.12	39.60	3829.52	No	<0.00050	0.00025 J	<0.00050	<0.00050
03/06/19	3869.12	39.85	3,829.27	No	0.000083 J	<0.00050	<0.00050	<0.00050
10/01/19	3869.12	39.88	3,829.24	No				
10/02/19	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.12	39.98	3,829.14	No				
06/24/20	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.12	40.05	3,829.07	No				
12/15/20	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.12	40.25	3,828.87	No				
06/30/21	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.12	40.16	3,828.96	No				
12/21/21	3869.12			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.32	39.65	3829.67	No				
07/19/18	3869.32			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.32	41.00	3,828.32	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.32	39.89	3,829.43	No				
10/02/19	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.32	39.99	3,829.33	No				
06/24/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.32	40.06	3,829.26	No				
12/15/20	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.32	40.26	3,829.06	No				
06/30/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.32	40.11	3,829.21	No				
12/21/21	3869.32			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.36	39.52	3829.84	No				
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3,829.66	No				
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.36	39.83	3,829.53	No				
06/24/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
12/14/20	3869.36	39.88	3,829.48	No				
12/15/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.36	40.08	3,829.28	No				
06/30/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.36	40.01	3,829.35	No				
12/21/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.10	39.10	3830.00	No				
07/19/18	3869.10			No	<0.00050	0.00025 J	<0.00050	<0.00050
03/05/19	3869.10	39.44	3,829.66	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.10	39.39	3,829.71	No				
10/02/19	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.10	39.52	3,829.58	No				
06/24/20	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.10	39.57	3,829.53	No				
12/15/20	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.10	39.77	3,829.33	No				
06/30/21	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.10	39.68	3,829.42	No				
12/21/21	3869.10			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.05	39.90	3829.15	No				
07/19/18	3869.05			No	<0.00050	0.00039 J	<0.00050	0.0010
03/07/19	3869.05	40.16	3,828.89	No	0.00044 J	<0.00050	0.00065	0.0019 J
10/01/19	3869.05	40.18	3,828.87	No				
10/03/19	3869.05			No	0.00011 J	<0.00050	0.00013 J	<0.0010
06/23/20	3869.05	40.25	3,828.80	No				
06/25/20	3869.05			No	<0.00050	<0.00050	0.00028 J	<0.0010
12/14/20	3869.05	40.32	3,828.73	No				
12/16/20	3869.05			No	0.00045 J	<0.00050	0.00039 J	<0.0010
06/29/21	3869.05	40.50	3,828.55	No				
07/01/21	3869.05			No	<0.00050	<0.00050	<0.00050	<0.0010
12/20/21	3869.05	40.44	3,828.61	No				
12/22/21	3869.05			No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3870.35	41.28	3829.07	No				
07/19/18	3870.35			No	0.0041	0.00022 J	0.00042 J	0.012
03/06/19	3870.35	41.26	3,829.09	No	0.0020	0.00012 J	0.00017 J	0.00048 J,B
10/01/19	3870.35	41.55	3,828.80	No				
10/03/19	3870.35			No	0.0012	<0.00050	<0.00050	<0.0010
06/23/20	3870.35	41.63	3,828.72	No				
06/24/20	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010
12/14/20	3870.35	41.69	3,828.66	No				
12/16/20	3870.35			No	0.00087	<0.00050	<0.00050	<0.0010
06/29/21	3870.35	41.89	3,828.46	No				
06/30/21	3870.35			No	0.00097	<0.00050	<0.00050	<0.0010
12/20/21	3870.35	41.81	3,828.54	No				
12/21/21	3870.35			No	0.00071	<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

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

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point SB-2GW	**Grab Groundwater Sample**							
10/28/11				No	**1.88**	0.0938	0.138	0.26
Field Point SB-3GW	**Grab Groundwater Sample**							
10/28/11				No	**1.94**	**2.42**	**0.986**	**2.27**
Field Point SB-4GW	**Grab Groundwater Sample**							
10/28/11				No	**3.91**	0.0703	0.587	**1.15**
Field Point SB-5GW	**Grab Groundwater Sample**							
10/28/11				No	**2.9**	0.024	0.034	0.218
Field Point SB-6GW	**Grab Groundwater Sample**							
10/28/11				No	0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11				No	**0.135**	0.00135	0.0263	0.0759

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

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-1	**Well Screen Interval (feet): 22.71-42.71**																		
07/24/06	<0.00101	<0.00101	0.141	0.0165	**0.00260**	0.000971	<0.000202	0.00128	0.0111	<0.000202	0.0788	0.00614	<0.000202	0.00434	0.0246	0.0639 (a)	0.194	0.109	**0.3669**
02/08/07	<0.00105	<0.00526	<0.00526	0.00603	<0.000105	0.00267	<0.000211	0.000886	0.00615	0.0104	0.153	0.0153	<0.000211	0.0489	0.0493	0.139 (a)	0.178	0.300	**0.6170**
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0553	0.0400	0.0522	**0.1475**
05/19/09	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	0.0461	0.0313	0.0403	**0.1177**
08/19/09	<0.0200	<0.100	0.0871 R12	0.162 R1	<0.00200	0.0369	0.0358 R1	0.0321 R1	0.323	0.0550 R1	1.660 R1	0.0895	0.0210	1.620 R1	1.470 R1	0.627 (c)	3.940 R1	1.940	**6.507 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000992	<0.000200	0.00634 R1	0.00163	<0.000200	0.0132 R1	0.00554 R1	0.0746 (c)	0.118 R1	0.0573	**0.250 R1**
10/12/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952				
Field Point MW-2	**Well Screen Interval (feet): 27.59-47.59**																		
07/25/06	<0.000939	<0.00217	0.228	0.0300	**0.00533**	0.0173	0.000665	0.00101	0.0420	0.00186	0.155	0.00823	<0.000188	0.0603	0.0333	0.0211 (a)	0.163	0.0696	**0.2537**
02/08/07	<0.00109	<0.00543	0.142	0.0128	<0.000109	0.00297	<0.000217	0.00150	0.00802	0.0156	0.0491	0.0174	<0.000217	0.232	0.075	0.0208 (a)	0.258	0.238	**0.5168**
09/26/08	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	0.117	0.201	0.287	**0.0484**
08/19/09	<0.00513	<0.0256	0.0783 R12	0.157	<0.000513	0.0318 R1	0.0357 R1	0.0269 R1	0.311	0.0530 R1	0.673 R1	0.0992	0.0216	1.660 R1	1.410 R1	0.730 (c)	5.070 R1	2.750	**8.550 R1**
10/30/09	<0.00100	<0.00500	<0.00100	0.00507 R1	0.000684 R1	0.00124 R1	0.00133 R1	0.00166 R1	0.0104	0.00390 R1	0.0400 R1	0.00407	<0.000200	0.0382 R1	0.0545 R1	0.0514 (c)	0.0975 R1	0.0781	**0.227 R1**
Field Point MW-3	**Well Screen Interval (feet): 24.20-44.20**																		
07/24/06	<0.00106	<0.00106	0.127	0.0160	**0.00245**	0.000869	<0.000213	0.00131	0.0113	<0.000213	0.0772	0.00575	<0.000213	0.0357	0.0182	0.0315 (a)	0.161	0.0752	**0.2677**
02/08/07	<0.00111	<0.00556	0.0914	0.00885	**0.00172**	0.00209	<0.000222	0.00121	0.00849	0.0136	0.0437	0.012	<0.000222	0.191	0.0557	0.053 (a)	0.220	0.255	**0.5280**
09/26/08	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0146	0.0154	0.0162	**0.0462**
05/19/09	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	0.0164	0.0199	0.0215	**0.0578**
08/19/09	<0.00103	<0.00513	0.00966 R12	0.0234 R1	**0.00225 R1**	0.00490 R1	0.00422 R1	0.00416 R1	0.0461	0.00630 R1	0.0907 R1	0.00825	0.00271	0.146 R1	0.161 R1	0.0353 R1 (c)	0.245	0.0885	**0.3688 R1**
10/30/09	<0.000990	<0.00495	0.00168 R12	0.00741 R1	0.000418 R1	0.00208 R1	0.00254 R1	0.00286 R1	0.0147	0.00554 R1	0.0537 R1	0.00478	<0.000198	0.0451 R1	0.0738 R1	0.00943 (c)	0.153 R1	0.0482	**0.211 R1**
12/16/20	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.0013	<0.00095	0.0011	<0.00095	0.046	0.026	0.030	**0.102**
07/01/21	<0.00019	0.000072 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00083	<0.00019	0.00055	<0.00019	0.033	0.015	0.017	**0.065**
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0011	<0.00019	0.00061	<0.00019	0.039	0.017	0.021	**0.077**
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**

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**																			
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**
10/12/11	0.000367	0.000178	0.000144	0.000122	0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	0.00167	<0.000111	0.00146	0.000111	0.0402 (b)	0.0216	0.0287	**0.0905**
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00202	<0.00190	<0.00190	<0.00190	0.0558	0.0229	0.0248	**0.1035**
07/17/12 D	<0.00190	<0.00190	0.00214	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	0.00218	<0.00190	<0.00190	0.00214	<0.00190	0.0568	0.0245	0.0270	**0.1083**
10/03/12	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	0.00253	<0.00196	0.00241	<0.00196	0.0771	0.0296	0.0310	**0.1377**
10/03/12 D	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00249	<0.00189	0.00218	<0.00189	0.0833	0.0265	0.0299	**0.1397**
Field Point MW-6 **Well Screen Interval (feet): 27.05-42.05**																			
07/21/06	<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	<0.0000943	<0.000189	<0.000189	<0.000472	<0.000189	<0.000472	<0.000189	<0.000943 (a)	<0.000943	0.00641	0.006410
02/07/07	<0.00111	<0.00556	<0.00111	<0.000222	<0.000111	<0.000111	<0.000222	<0.000156	<0.000111	<0.000222	<0.000222	0.000637	<0.000222	<0.000556	<0.000222	<0.00111 (a)	<0.00111	<0.00111	<0.00333
04/15/08	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.02970
09/26/08	<0.00943	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.00943	<0.00943	<0.00943	<0.02829
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
11/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.0.000196	<0.000980	<0.000980	<0.000980	BDL
10/13/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962				
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.0002	<0.0000187	0.0000764 J	<0.0000561	0.0000629 J	<0.00000935	<0.00000935	0.0000629 J
01/28/14	0.0000215 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000178	<0.0000188	0.0000523 J	<0.0000188	0.0000523 J	<0.0000188	<0.0000282	0.0000993
06/18/14	0.0000949	<0.0000284	<0.0000284	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000284	0.0000517 J	<0.000019	0.0000518 J	<0.000019	0.000634	0.000239 B	0.000355 B	0.001228 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00014	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000168	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/26/16	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000101	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/01/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-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

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**																			
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
09/26/08	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.02940
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	0.00101	<0.000205	<0.000513	0.000657	<0.00103 (c)	0.00674 R1	0.00354 R1	0.01028 R1
10/30/09	<0.00100	<0.00500	<0.00100	>0.000200	<0.000100	0.0001	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	0.0012	<0.000200	0.0005	0.000518	<0.00100 (c)	0.0101 R1	0.00430	0.0144 R1
Field Point MW-9 **Well Screen Interval (feet): 27.64-42.64**																			
07/21/06	<0.00099	0.001	<0.00099	<0.000198	<0.00099	<0.00099	<0.000198	<0.000139	<0.00099	0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (a)	<0.00099	<0.00099	<0.00297
02/06/07	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208	<0.00104 (a)	0.0148	0.00424	0.01904
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	0.00101	<0.00100 (c)	<0.00100	<0.00100	BDL
10/13/11	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000476	<0.0000952	<0.0000952	<0.0000952	<0.000952	<0.000952	<0.000952	<0.000952
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000295	<0.0000952	<0.0000952	<0.0000952	0.00143	<0.000952	<0.000952	0.00143
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	0.017	0.00713	<0.00377	0.0271	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	0.005	0.0768	<0.00377	0.0941	0.00931	0.0676	0.537	0.795	**1.3996**
Field Point MW-10 **Well Screen Interval (feet): 28.08-43.08**																			
07/21/06	0.001	0.001	0.001	<0.000200	<0.0001	<0.0001	<0.000200	<0.00014	<0.0001	<0.000200	<0.000200	0.000892	<0.000200	<0.0005	<0.000200	<0.001 (a)	0.001	0.001	0.001
02/06/07	<0.00110	<0.00549	<0.00110	<0.000220	<0.000110	<0.000110	<0.000220	<0.000154	<0.000110	<0.000220	<0.000220	0.000831	<0.000220	<0.00549	<0.000220	<0.00110 (a)	<0.00110	<0.00110	<0.00330
04/15/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0300
05/18/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.02856
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196	<0.000980 (c)	<0.000980	0.00268	0.00268
11/19/09	<0.00105	<0.00526	<0.00105	<0.000211	<0.000105	<0.000105	<0.000211	<0.000147	<0.000105	<0.000211	<0.000211	0.000683	<0.000211	<0.000526	0.000935 R1	<0.00105 (c)	0.0202 R1	0.0142 R1	**0.0344 R1**
10/13/11	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.000104	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00021	<0.0000187	0.0000876 J	<0.0000561	0.0000706 J	<0.00000935	<0.00000935	0.0000706 J
05/15/13 D	0.0000462 J	<0.0000374	0.000024 J	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	0.00033	<0.0000187	<0.0000561	<0.0000561	0.0000757 J	<0.00000935	<0.00000935	0.0000757 J
01/29/14	0.0000594 J	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	0.000258	<0.0000188	<0.0000282	<0.0000188	0.0000594 J	<0.0000188	<0.0000282	0.0000594 J
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.00021	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
11/19/14 D	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	0.00021	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/20/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00022	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-11	**Well Screen Interval (feet): 29.00-44.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.02913
09/26/08	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.02886
05/18/09	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.02829
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	0.00334	0.00334
10/30/09	<0.000990	<0.00495	<0.000990	<0.000198	<0.000099	<0.000099	<0.000198	<0.000139	<0.000099	<0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198	<0.00099 (c)	<0.00099	<0.00099	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.000109	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00500	<0.00194	<0.00194	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	0.0000534 J	<0.00000935	<0.00000935	0.0000534 J
01/28/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000191	<0.0000287	<0.0000287	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000191	<0.0000287	<0.0000191	<0.0000191	<0.0000287	<0.0000191	0.000425	<0.0000191	<0.0000287	0.000425
11/19/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00015 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00022	<0.00019	0.00033	<0.00019	0.00022	0.0010	0.0013	0.00252
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000012 J	<0.00019	0.0000092 J	<0.00019	0.000071 J	0.000057 J	0.000064 J	0.000192
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	0.00012 J	0.00010 J	0.00023	0.00011 J	<0.00019	0.00021	<0.00019	<0.00019	0.00022	<0.00019	<0.00019	0.000023 J	<0.00019	<0.00019	0.000023
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-12	**Well Screen Interval (feet): 30.00-45.00**																		
04/30/08	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.0327	0.0316	0.0241	**0.0884**
09/26/08	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	0.0909	0.0512	0.0613	**0.2034**
05/19/09	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	0.0726	0.0434	0.0534	**0.1694**
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000145	<0.000200	0.00136 R1	0.00203	<0.000200	<0.000500	<0.000200	0.12 (c)	0.159 R1	0.0808	**0.3598 R1**
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	0.00270 R1	0.00169	<0.000204	0.0111 R1	0.00257 R1	0.0236 (c)	0.0283 R1	0.0708	**0.123 R1**
10/13/11	0.000337	0.000149	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	0.00197	<0.000099	0.00165	<0.000099	0.0879	0.0406	0.063	**0.1915**
02/22/12	0.000123	0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	0.00115	<0.0000943	0.000991	<0.0000943	0.0659	0.0244	0.0396	**0.1299**
07/17/12	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.0653	0.0357	0.0394	**0.1404**
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	0.129	0.0464	0.0602	**0.2356**
Field Point MW-13	**Well Screen Interval (feet): 30.00-45.00**																		
04/30/08	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	0.0366	0.0279	0.0329	**0.0974**
09/26/08	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	0.0986	<0.00980	<0.00980	**0.0986**
05/19/09	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	0.121	0.0712	0.0888	**0.281**
08/19/09	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	0.000578	0.000915 R1	<0.000144	0.00515	<0.000205	0.0118 R1	0.00424	<0.000205	0.0458 R1	0.0277 R1	0.120 (c)	0.291 R1	0.147	**0.558 R1**

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

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-17 **Well Screen Interval (feet): 29.50-44.50**																			
06/30/21	0.00014 J	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00097	<0.00019	0.00062	<0.00019	0.058	0.023	0.025	**0.106**
12/21/21	0.000099 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0012	<0.00019	0.00047	<0.00019	0.071	0.031	0.025	**0.127**
Field Point MW-18 **Well Screen Interval (feet): 27.00-42.00**																			
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**
Field Point MW-19 **Well Screen Interval (feet): 27.00-42.00**																			
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002	<0.00003	<0.00002	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00018 J	<0.00019	0.00045	0.0013	0.00025	0.002
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00037	<0.00019	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
06/24/20	0.000019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	0.00020	<0.00019	0.00058	0.0028	0.00030	0.00368
Field Point MW-20 **Well Screen Interval (feet): 29.50-44.50**																			
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190	<0.000476	<0.000190	<0.000952 (c)	<0.000952	<0.000952	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-21 **Well Screen Interval (feet): 29.50-44.50**																			
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
11/18/14	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094	<0.000094
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
Field Point MW-22 **Well Screen Interval (feet): 30.00-45.00**																			
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	0.0000541 J	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000194	<0.0000291	<0.0000291	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000194	<0.0000291	<0.0000194	<0.0000191	<0.0000291	<0.0000194	0.000278 B	<0.0000194	<0.0000291	0.000278 B
11/19/14	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097	<0.000097
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0002817
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00014 J	<0.00019	<0.00019	0.00014 J
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-23 **Well Screen Interval (feet): 31.00-46.00**																			
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00500	<0.00192	<0.00192	<0.00500
05/15/13	<0.000019	<0.0000381	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000286	<0.000019	<0.000019	<0.000019	<0.0000381	<0.000019	<0.000019	<0.0000571	<0.0000571	<0.000019	<0.00000952	<0.00000952	<0.000019

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-23 **Well Screen Interval (feet): 31.00-46.00**																			
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	0.0000932 J	<0.0000188	<0.0000188	0.0000687 J	0.0000724 J	<0.0000188	<0.0000188	<0.0000282	<0.0000188
06/18/14	<0.0000204	<0.0000306	<0.0000306	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000204	<0.0000306	<0.0000204	<0.0000204	<0.0000306	<0.0000204	0.0000606 J B	<0.0000204	<0.0000306	0.000606 J B
11/18/14	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095	<0.000095
12/08/15	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	<0.000190	0.000220	<0.000190	<0.000190	<0.000190	0.0125	0.00669	0.00559	0.02478
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000280	<0.0000939	0.000177 B	<0.0000939	0.00754	0.00497	0.00409	0.0166
Field Point MW-25 **Well Screen Interval (feet): 28.00-43.00**																			
02/22/12	0.000168	0.000179	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	0.00232	<0.000105	0.0018	<0.000105	0.0939	0.0427	0.0688	**0.2054**
Field Point MW-26 **Well Screen Interval (feet): 30.00-45.00**																			
02/22/12	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	0.0000818 J	0.000048 J	<0.0000282	0.0001298
06/18/14	<0.0000189	<0.0000283	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000283	<0.0000189	0.000394 B	<0.0000189	<0.0000283	0.000391 B
11/19/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
12/08/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0002856
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000370	0.000130	0.0000991	0.0005991
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00020	0.00018 J	0.00015 J	0.00053
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-27 **Well Screen Interval (feet): 35.00-50.00**																			
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/06/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-28 **Well Screen Interval (feet): 35.00-50.00**																			
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020

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-29	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00024	<0.00019	0.000032 J	<0.00019	0.000079 J	0.00026	0.000093 J	0.000432
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/22/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-32	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/06/19	0.00010 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00056	<0.00020	<0.00020	<0.00020	0.00069	0.00071	0.00014 J	0.00085
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00052	<0.00019	0.0000059 J	<0.00019	0.00014 J	0.00011 J	0.000016 J	0.000266
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00063	<0.00019	0.000015 J	<0.00019	0.00026	0.00013 J	0.000019 J	0.000409
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	<0.00019	<0.00019	0.00022	0.00043	<0.00019	0.00065
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00039	<0.00019	<0.00019	<0.00019	0.00029	0.00080	0.00023	0.00132
12/21/21	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Field Point 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

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 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

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.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-1	**Well Screen Interval (feet):**		**22.71-42.71**									
07/24/06	0.0295	**4.82**	0.0018	0.0126	<0.00500	0.000303	<0.0100	<0.00500	10.9	1.82	743	900
02/08/07	0.0304	**5.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.8	1.24	621	<100
09/21/08	0.0256	**7.52**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	1.63	1.28	913	
05/19/09	0.0265	**8.72**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.41	<1.00	952	962
08/19/09	0.0303	**7**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.25	<1.00	979	940
10/30/09	0.0246	**8.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	2.83	3.54	917	780
Field Point MW-2	**Well Screen Interval (feet):**		**27.59-47.59**									
07/25/06	0.0469	0.958	0.0021	0.0140	<0.00500	<0.000200	<0.0100	0.0057	30.6	2.11	668	900
02/08/07	0.0348	0.764	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32	3.9	634	440
09/22/08	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.4	3.57	669	622
08/19/09	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	31.2	2.74	649	742
10/30/09	0.0208	**8.57**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	0.005	15.1	1.08	752	480
Field Point MW-3	**Well Screen Interval (feet):**		**24.20-44.20**									
07/24/06	0.057	**3.33**	0.0015	0.0098	<0.00500	<0.000200	<0.0100	<0.00500	21.2	8.35	773	880
02/08/07	0.0505	**3.44**	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	31.6	33.4	708	540
09/22/08	0.0380	**6.09**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	26.7	2.64	876	744
05/19/09	0.0397	**6.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.7	2.66	883	858
08/19/09	0.0302	**6.56**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.4	<1.00	880	802
10/30/09	0.0316	**5.91**	<0.00100	<0.00500	<0.00500	0.0002	<0.0100	<0.00500	21.4	<1.00	842	670
12/16/20	0.0292 J	**8.65**	0.00501 J	0.00758 J	0.0164 J	<0.000500	<0.100	0.00324 J B	27.8		1400	**1010**
07/01/21	0.0395 J	**9.44**	0.00444 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	24.9		1280	**1250**
12/22/21	0.0222	**9.74**	0.0038 J	0.0064	<0.00500	<0.000248	<0.020	0.0070 J	17.7			**1400**
Field Point MW-4	**Well Screen Interval (feet):**		**23.97-38.97**									
07/25/06	0.034	**7.34**	0.0016	0.0122	<0.00500	<0.000200	<0.0100	<0.00500	20.7	<1.00	850	**1000**
02/07/07	0.0617	**8.00**	<0.00100	**0.0615**	0.0201	<0.000200	<0.0100	<0.00500	15.1	1.09	2290	<100
04/15/08	0.0140	**7.47**	0.0011	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.2	<1.00	1060	**1180**
09/21/08	0.0156	**7.74**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.7	1.31	792	774
05/19/09	0.0162	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.4	3.08	802	854
08/19/09	0.0133	**8.19**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	18.9	<1.00	807	860
10/30/09	0.0224	**8.64**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12.2	<1.00	782	660

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

Date		Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS		**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**											
07/20/06		0.0661	**1.71**	<0.00100	**0.177**	0.0151	0.000220	<0.0100	<0.00500	6.11	<1.00	1250	712
02/07/07		0.0526	**1.96**	<0.00100	**0.0599**	0.0105	<0.000200	<0.0100	<0.00500	6.58	1.56	1130	610
04/15/08		0.0440	**3.02**	0.0017	0.0167	<0.00500	<0.000200	<0.0100	<0.00500	6.34	<1.00	976	736
09/21/08		0.0370	**3.07**	0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.62	1.54	841	
05/19/09		0.0336	**3.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.81	<1.00	837	792
08/19/09		0.031	**3.68**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	7.02	<1.00	856	752
08/19/09	D	0.0322	**3.71**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.93	<1.00	847	760
10/30/09		0.0284	**3.93**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.61	<1.00	797	**1540**
10/12/11		0.0353	**4.8**	<0.00100	<0.00500	0.007	<0.000200	<0.0100	<0.00500	5.03	1.4		
07/17/12		0.0234	**4.9**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	1.18	720	753
07/17/12	D	0.0252	**5.08**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.42	1.21	721	760
10/03/12		0.0238	**4.48**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.46	<1.00	726	740
10/03/12	D	0.0233	**4.62**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.47	<1.00	732	749
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**											
07/21/06		<0.0100	0.168	<0.00100	<0.00500	<0.00500	0.000207	<0.0100	<0.00500	6.28	63.2	524	660
02/07/07		0.0397	**3.19**	<0.00100	**0.0822**	0.0307	0.00172	<0.0100	<0.00500	6.6	<2.00	2930	325
04/15/08		0.0199	0.610	0.0020	0.0213	0.00805	0.000467	0.0106	<0.00500	5.38	42.7	1650	548
09/21/08		<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.75	34.5	528	440
05/18/09		<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.90	37.2	567	234
08/19/09		<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.11	33.0	519	568
10/30/09		<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.03	31.1	475	470
10/13/11		<0.0100	0.112	<0.00100	<0.00500	0.0057	<0.000200	<0.0100	<0.00500	5	26.3		
07/17/12		<0.0100	0.127	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.23	24.6	452	571
10/03/12		<0.0100	0.121	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.91	26.4	446	566
05/15/13		<0.0047	0.14	<0.000200	<0.0012	0.0135	<0.00015	0.0081 J	<0.0013	4.67	<25	483	625
01/28/14		0.01	0.144	<0.000200	<0.0012	0.0059	<0.00015	<0.0064	<0.0013	5.04	26.2	512	597 B
06/18/14		<0.0072	0.138	0.0006 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	5.32 B	26.5	483	615
11/19/14		<0.0100	0.15	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.5	25	470	660
12/08/15		0.0149	0.226	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.56	18.4	502	581
04/26/16		0.0309	0.351	<0.00100	**0.364**	0.0127	<0.000200	<0.0100	<0.00500	4.87	16.2	520	565
05/24/17		0.0273	0.375	<0.0100	0.00788 J	<0.0100	0.000342	<0.0150	<0.00500	4.6	13	482	545
11/29/17		<0.0100	0.212	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	13	19	460	570

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

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
07/20/18	0.0284	0.288	<0.0100	0.00674 J	0.00430 J	0.000190 B,J	0.0344	<0.00500	4.6	180	430	525
03/07/19	<0.100	0.244	<0.0100	<0.0500	0.0138 J	0.00139	<0.100	<0.0100	4.7	20	430	505
07/01/21	**0.169**	0.761	<0.0100	0.0248 J	0.0299 J	**0.00437**	<0.100	<0.0100	3.73		453	600
12/22/21	0.0157 J	0.291	0.00100 J	0.0041 J	<0.00500	<0.000248	<0.020	<0.010	<2.00			640
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

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-9	**Well Screen Interval (feet):**		**27.64-42.64**									
10/03/12	0.0277	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**
Field Point MW-10	**Well Screen Interval (feet):**		**28.08-43.08**									
07/21/06	<0.0100	0.324	<0.00100	0.0136	<0.00500	0.000822	<0.0100	<0.00500	**500**	85.2	748	**1520**
02/06/07	<0.0100	0.112	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	6.72	105	602	**1630**
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
12/22/21	0.0575	0.615	0.0011 J	0.0082	0.0102	0.000325 H	0.0137 J	<0.010				
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**

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**									
05/15/13	0.0084 J	0.054	<0.000200	<0.0012	0.0138	<0.00015	0.0239	<0.0013	**392**	123	497	**1500**
01/28/14	0.0074 J	0.0465	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	**393**	122	513	**1370**
06/18/14	<0.0072	0.0445	0.0007 J	<0.00300	<0.002	<0.00015	<0.00500	<0.0025	**351 B**	114	485	**1340**
11/19/14	<0.0100	0.044	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**320**	120	480	**1400**
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
10/03/19	<0.100	0.0453	<0.0100	0.0124 J	0.0238 J	0.0000707	0.0346 J	<0.0100	157	90	471	950
06/25/20	<0.100	0.0373	<0.0100	<0.0500	0.0172 J	<0.000500	<0.100	<0.0100	110	100	455	835
12/16/20	<0.100	0.0394	0.00353 J	<0.0500	0.0169 J	<0.000500	<0.100	<0.0100	158		412	800
07/01/21	<0.100	0.0580	0.00260 J	<0.0500	0.0102 J	0.000136 J	<0.100	<0.0100	147		420	985
12/21/21	0.0164 J	0.0441	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	141			**1020 H**
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

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**									
04/30/08	0.0172	0.193	<0.00100	0.0063	<0.00500	<0.000200	<0.0100	<0.00500	5.21	195	780	919
09/21/08	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.71	19.7	647	
05/19/09	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.85	11.2	663	698
08/19/09	0.0271	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.14	15.7	656	702
10/30/09	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.01	16.7	604	510
10/13/11	0.0325	0.38	<0.00100	<0.00500	0.0058	<0.000200	<0.0100	<0.00500	4.42	17.7		
07/17/12	0.0592	0.318	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.82	26.2	582	712
10/03/12	0.0308	0.294	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.47	20.3	593	733
Field Point MW-15	**Well Screen Interval (feet):**		**29.00-44.00**									
04/30/08	0.0259	**2.16**	<0.00100	0.0152	0.0084	<0.000200	<0.0100	0.0065	8.74	31.9	1050	641
09/21/08	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.4	1.02	808	
05/19/09	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.0	<1.00	886	850
08/19/09	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.6	<1.00	891	850
10/30/09	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.41	<1.00	738	570
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

TABLE 6
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Gladiola Station
Lea County, New Mexico
Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
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
06/30/21	0.0259 J	**13.1**	0.00417 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	6.85		1040	920
12/21/21	<0.00200	**13.1**	0.0027 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	4.43			**1070 H**
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

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**									
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		
07/17/12	0.0115	0.0481	<0.00100	<0.00500	<0.00500	<0.000200	0.0295	<0.00500	**423**	528	241	**1870**
10/03/12	0.0183	0.0476	<0.00100	<0.00500	<0.00500	<0.000200	0.0382	<0.00500	**506**	**682**	208	**2090**
05/15/13	0.0167	0.0377	<0.000200	<0.0012	<0.0017	<0.00015	0.0446	<0.0013	**551**	**786**	226	**2370**
01/29/14	0.0152	0.0321	<0.000200	<0.0012	<0.0035	0.00042	0.0402	<0.0013	**538**	**719**	268	**2170 B**
06/18/14	<0.0072	0.0322	0.0009 J	<0.00300	<0.002	0.000203	0.0354	<0.0025	**527 B**	**756**	257	**2280**
11/18/14	<0.0100	0.04	<0.00100	<0.00500	<0.00500	<0.000200	0.024	<0.00500	**530**	**710**	250	**2100**
Field Point MW-21	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	0.0248	0.0263	<0.00100	<0.00500	<0.00500	<0.000200	0.0126	<0.00500	38.8	**666**	248	**1360**
10/30/09	0.0245	0.0216	<0.00100	<0.00500	<0.00500	<0.000200	0.0146	<0.00500	39.3	**816**	222	**1340**
10/13/11	0.0311	0.0155	0.004	<0.00500	0.0052	<0.000200	0.0107	<0.00500	26.7	**634**		
07/17/12	0.0349	0.0161	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	21.1	559	232	**1270**
10/03/12	0.0435	0.0131	<0.00100	<0.00500	<0.00500	<0.000200	0.011	<0.00500	23.3	597	242	**1260**
05/15/13	0.0251	0.0154	<0.000200	<0.0012	0.0082	<0.00015	0.0224	<0.0013	18.9	535	239	**1140**
01/29/14	0.0355	0.0132	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	14.7	422	263	972 B
06/18/14	0.0307	0.0125	0.0008 J	<0.00300	<0.002	<0.00015	0.008 J	<0.0025	12.8 B	383	353	932
11/18/14	0.0310	0.013	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	12	360	250	860
12/08/15	0.0344	0.0138	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	10.3	323	286	875
04/27/16	0.0355	0.0145	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	9.67	306	288	849
10/25/16	0.0341	0.0157	<0.00100	0.0154	<0.00500	<0.000200	<0.0100	<0.00500	13.4	322	281	828
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
10/30/09	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	42.4	266	213	630
10/13/11	0.018	0.023	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	41.3	288		
07/17/12	0.0353	**4.49**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	40.1	274	206	806
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

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**									
11/19/14	0.019	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800
12/08/15	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	0.0194	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	0.0236	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
06/25/20	<0.100	0.0204	<0.0100	<0.0500	0.0162 J	<0.000500	<0.100	<0.0100	28.8	160	266	580
12/16/20	<0.100	0.0268	0.00296 J	<0.0500	0.0186 J	<0.000500	<0.100	<0.0100	32.7		261	620
07/01/21	<0.100	0.0425	0.00206 J	<0.0500	0.0147 J	0.000189 J	<0.100	<0.0100	31.3		276	630
12/21/21	0.0091 J	**12.8**	0.0024 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	29.6			740 H
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

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

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
06/18/14	0.0133	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	0.015	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771
10/25/16	0.0300	**1.37**	0.00120	0.0404	0.0182	<0.000200	<0.0100	<0.00500	26.2	236	339	806
05/24/17	<0.0100	0.136	<0.0100	<0.0100	<0.0100	0.000162 J	<0.0150	<0.00500	28	220	317	755
11/29/17	0.0127	0.0633	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	24	200	355	735
07/18/18	0.0249	0.0330	<0.0100	<0.0100	<0.0100	0.000129 B,J	0.0144 J	0.00155 J	30	170	320	720
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0226	0.0521	<0.0100	<0.0100	<0.0100	0.000115 B,J	**0.0519**	<0.00500	**280**	130	170	980
03/06/19	<0.100	0.0460	<0.0100	<0.0500	0.0122 J	<0.000200	<0.100	<0.0100	**310**	130	160	810
10/02/19	<0.100	0.0377	<0.0100	<0.0500	0.0138 J	0.000102	<0.100	<0.0100	**278**	110	176	815
06/24/20	<0.100	0.0404	<0.0100	<0.0500	0.0249 J	<0.000500	<0.100	<0.0100	**286**	120	168	955
12/15/20	<0.100	0.0471	0.00332 J	<0.0500	0.0287 J	<0.000500	<0.100	0.00309 J B	**306**		172	945
06/30/21	<0.100	0.0662	0.00219 J	<0.0500	0.0176 J	<0.000248	<0.100	<0.0100	145		178	**1050**
12/21/21	0.0166 J	0.0603	<0.00500	<0.00500	<0.00500	<0.000248	0.0121 J	<0.010	**290**			**1290 H**
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0156	0.0874	<0.0100	<0.0100	<0.0100	0.000104 B,J	0.0300	0.00196 J	220	430	140	**1060**
03/05/19	<0.100	0.0669	<0.0100	<0.0500	0.017 J	<0.000200	<0.100	<0.0100	220	440	140	**1100**
10/02/19	<0.100	0.0607	<0.0100	0.0120 J	0.0156 J	0.000112	<0.100	<0.0100	207	380	154	955
06/24/20	<0.100	0.0561	<0.0100	<0.0500	0.0285 J	<0.000500	0.0278 J	<0.0100	202	400	151	**1180**
12/15/20	<0.100	0.0479	0.00280 J	<0.0500	0.0334 J	<0.000500	<0.100	<0.0100	209		150	**1150**
06/30/21	<0.100	0.0555	0.00256 J	<0.0500	0.0152 J	<0.000248	<0.100	<0.0100	200		154	**1170**
12/21/21	0.0089 J	0.0475	<0.00500	<0.00500	<0.00500	<0.000248	0.020	<0.010	195			**1280 H**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0213	0.0809	<0.0100	<0.0100	<0.0100	0.000116 B,J	0.0282	0.00145 J	190	100	170	805
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
10/02/19	<0.100	0.0434	<0.0100	<0.0500	0.0146 J	0.000105	<0.100	<0.0100	177	88	182	630
06/24/20	<0.100	0.0496	<0.0100	<0.0500	0.0196 J	<0.000500	<0.100	<0.0100	189	100	175	730
12/15/20	<0.100	0.0382	0.00256 J	<0.0500	0.0213 J	<0.000500	<0.100	<0.0100	180		178	660
06/30/21	<0.100	0.0455	0.00203 J	<0.0500	0.0119 J	<0.000248	<0.100	<0.0100	148		182	720

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-29	**Well Screen Interval (feet):**		**35.00-50.00**									
12/21/21	0.0125 J	0.0446	<0.00500	<0.00500	<0.00500	<0.000248	0.0123 J	<0.010	147			780 H
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
06/30/21	<0.100	0.0576	0.00238 J	<0.0500	0.0141 J	<0.000248	<0.100	<0.0100	151		169	720
12/21/21	0.0156 J	0.0535	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	129			725 H
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0633	<0.0100	<0.0100	<0.0100	0.000103 B,J	0.0202	0.00222 J	120	150	250	735
03/07/19	<0.100	0.207	<0.0100	<0.0500	0.01 J	0.000256	<0.100	<0.0100	65	96	400	745
10/03/19	<0.100	0.211	<0.0100	<0.0500	0.0204 J	0.0000458 J	0.0321 J	<0.0100	**751**	88	377	635
06/25/20	<0.100	0.135	<0.0100	<0.0500	0.0206 J	<0.000500	<0.100	<0.0100	81.1	110	325	740
12/16/20	<0.100	0.474	0.00317 J	<0.0500	0.0187 J	<0.000500	<0.100	<0.0100	45.7		476	**1010**
07/01/21	<0.100	0.605	0.00229 J	<0.0500	0.0102 J	<0.000248	<0.100	<0.0100	42.9		477	655
12/22/21	0.0179 J	0.382	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	91.2			770
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	<0.0100	0.0799	<0.0100	<0.0100	<0.0100	0.000153 B,J	0.0187	<0.00500	47	53	450	705
03/06/19	<0.100	0.235	<0.0100	<0.0500	0.0116 J	<0.000200	<0.100	<0.0100	55	46	460	645
10/03/19	<0.100	0.302	<0.0100	0.00840 J	0.0246 J	0.000117	<0.100	<0.0100	49.9	36	488	605
06/24/20	<0.100	0.163	<0.0100	<0.0500	0.0198 J	<0.000500	<0.100	<0.0100	33.8	37	466	620
12/16/20	<0.100	0.327	0.00304 J	<0.0500	0.0233 J	<0.000500	<0.100	<0.0100	35.5		540	545
06/30/21	<0.100	0.353	0.00258 J	<0.0500	0.0122 J	<0.000248	<0.100	<0.0100	33.1		509	575
12/21/21	0.0407	0.345	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	36.5			740 H
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		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Cardno 3612

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point SB-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		

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.
H = Analyzed outside the recommended hold time.
J = Estimated value between method detection limit and practical quantitation limit.
R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the higher value was reported.
R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported due to apparent chromatographic problems.
R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-3														
12/16/20					0.040	0.053	0.0034 J	0.042		0.0057				
07/01/21					0.042	0.057	0.0041 J	0.039		0.0067		0.011		
12/22/21					0.047	0.060	0.0049 J	0.048		0.0078		0.018		
Field Point MW-6														
05/24/17	0.0041 J						0.00028 J		0.00031 J	0.00084	0.00027 J	0.00094	0.0021	
11/29/17	0.0045 J						0.00022 J		0.00077	0.00047 J		0.0011	0.0017	
07/20/18	0.0041 J													
03/07/19										0.00038 J	0.000087 J	0.000080 J	0.00033 J	
07/01/21														
12/22/21														
Field Point MW-10														
05/24/17														
11/29/17	0.0056 J									0.00036 J				
07/20/18	0.0081 J									0.00060				
03/07/19	0.0041 J				0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J	
07/01/21												0.0049	0.0040	
12/22/21														
Field Point MW-11														
05/24/17														
11/29/17	0.0067 J					0.0013 J	0.00061		0.00024 J	0.00025 J		0.0014	0.00056	
07/18/18														
03/07/19														
10/03/19												0.00010 J		
06/25/20					0.00014 J						0.00021 J			
12/16/20														
07/01/21														
12/21/21														
Field Point MW-17														
11/29/17					0.056	0.087 J	0.0058 J	0.051		0.0070 J		0.17	0.023	

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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-17														
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	
06/30/21					0.051	0.078		0.051				0.180	0.042	
12/21/21					0.061	0.092		0.062		0.0077 J		0.13	0.028	
Field Point MW-19														
05/24/17		0.0045 J			0.0068	0.0017 J	0.0022	0.0037	0.0027	0.0024	0.00079	0.020	0.021	
11/29/17	0.0052 J	0.0023 J			0.0057	0.00055 J	0.0023	0.0036	0.0024	0.0023	0.00068	0.026	0.021	
07/18/18	0.0042 J				0.0019		0.00022 J	0.0011	0.0010	0.0013	0.00044 J	0.0030	0.00041 J	
03/05/19					0.0014	0.00012 J	0.00024 J	0.00072	0.00088	0.0013	0.00054	0.0021	0.000084 J	
10/02/19					0.00023 J			0.000079 J	0.00017 J	0.00034 J	0.00021 J	0.00032 J		
06/24/20					0.00050		0.00031 J	0.00028 J	0.00024 J	0.0011	0.00055	0.0016	0.00047 J	
12/15/20					0.0051	0.00086 J	0.00098	0.0033	0.0023	0.0034	0.00097	0.013		
Field Point MW-22														
05/24/17														
11/29/17	0.0068 J													
07/18/18														
03/06/19														
10/03/19														
06/25/20														
12/16/20														
07/01/21														
12/21/21														
Field Point MW-26														
05/24/17				0.0011		0.00077 J						0.0014		
11/29/17												0.00045 J		
07/18/18					0.017	0.026 J	0.0050	0.017	0.0036	0.0042		0.12	0.041	

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

Date	Acetone (2-propanone) (mg/l)	2-Butanone (MEK) (mg/l)	Chloroform (mg/l)	1,2-Dichloroethane (mg/l)	Isopropylbenzene (mg/l)	Naphthalene (mg/l)	n-Butylbenzene (mg/l)	n-Propylbenzene (mg/l)	p-Isopropyltoluene (mg/l)	sec-Butylbenzene (mg/l)	tert-Butylbenzene (mg/l)	1,2,4-Trimethylbenzene (mg/l)	1,3,5-Trimethylbenzene (mg/l)	
NMED WQCC HHS	**NA**	**NA**	**NA**	**0.01**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
Field Point MW-27														
07/19/18	0.0045 J													
03/06/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21	0.0040 J													
12/21/21														
Field Point MW-28														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
12/21/21														
Field Point MW-29														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
12/21/21														
Field Point MW-30														
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-30														
06/30/21														
12/21/21														
Field Point MW-31														
07/19/18					0.00029 J			0.00022 J				0.0019	0.00091	
03/07/19					0.0012	0.00020 J		0.00081	0.00067	0.0019	0.00045 J	0.0057	0.0038	
10/03/19					0.00025 J			0.00015 J	0.00020 J	0.00052	0.00016 J	0.0025	0.00061	
06/25/20					0.00014 J			0.000090 J	0.000080 J	0.00029 J		0.00074	0.00012 J	
12/16/20					0.00048 J	0.00032 J			0.00028 J	0.0015	0.00043 J	0.00063		
07/01/21					0.00041 J					0.0011				
12/22/21										0.00082				
Field Point MW-32														
07/19/18	0.0050 J				0.0054			0.00039 J	0.0014	0.0016	0.00084	0.012	0.010	
03/06/19					0.0023	0.00071 J		0.00012 J	0.00064	0.0019	0.0011	0.0012	0.0041	
10/03/19					0.0016			0.000094 J	0.00035 J	0.0017	0.0010	0.00036 J	0.00028 J	
06/24/20					0.00059				0.00049 J	0.0019	0.0014	0.00021 J		
12/16/20						0.00062 J			0.00079	0.0011	0.00082	0.00033 J		
06/30/21	0.0040 J					0.00055 J			0.00049 J	0.0010	0.00079			
12/21/21									0.00051	0.0011	0.00085			

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.
H = Analyzed outside the recommended hold time.
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): JOSE / Clint	Project Number: 013612
Gauging Instrument: Interphase Probe	Date(s): 12/20/21

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
MW-2	12/20/21	08:00	--	41.18	41.11	0.07	2" well * Product
MW30		08:20	53.86	39.68			4"
MW29		08:22	53.89	40.01			4"
MW28		08:27	53.29	40.11			4"
MW27		08:30	53.88	40.16			4"
MW26		14:07		41.81	40.14	1.67	2" Product well
MW32		08:37	53.39	41.81			4"
MW-17		08:40	48.22	40.61			4"
MW-22		08:43	47.72	41.44			4"
MW-11		08:47	47.98	41.14			4"
MW-10		08:49	42.92	41.88			2" - No purge Sample
MW31		08:55	53.61	40.44			4"
MW-6		08:58	42.23	39.53			2" No Purge Sample
MW-7		09:03	36.19	—			2" DRY
MW-3		09:05	44.73	36.42			2"
MW-4		09:09		37.59	37.31	0.28	2" Begun to Bail Product NAPL
MW-16		09:59		39.79	39.64	0.15	4" Need New Bailer.
MW19		10:13		~~39.00~~ 39.52	39.54	0.52	4"
MW-14		10:59		39.56	39.37	0.19	4"
MW-15		11:38		39.78	39.62	0.16	4"
MW-5		11:18		39.99	39.49	0.50	2"
MW-24		11:53		39.38	38.52	0.86	2"
MW-23		12:31		40.01	39.93	0.08	2"
MW-21		12:41		39.89	39.74	0.15	4"
MW-20		13:19		40.36	39.96	0.40	4"
MW-1		09:35		37.86	37.74	0.12	2"

Cardno
Fluid-Level Monitoring Well Log

Site Location: Tatum, New Mexico	Project Name: Gladiola Station
Personnel(s):	Project Number: 013612
Gauging Instrument:	Date(s):

Well Number	Date	Time	Total Depth (ft)	Water Depth (ft)	Product Depth (ft)	Product Thickness (ft)	Remarks
mw-13	12/20/21	12:16		39.87	39.56	0.31	4"
mw-18		12:55		40.89	39.59	1.30	4"
mw-25		13:46		40.56	40.09	0.47	2"
mw-12		14:31		40.97	40.86	0.11	4"
mw-9		14:49		41.27	41.19	0.08	2"

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / Clint				
DATE: 12/28/21				
Weather: Sunny / Chilly				
WELL ID: MW30				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	39.68	53.86	600	1 deg	3%	0.1	0.3	10% or 5	10% or 5
07:25			600	61.4	1.00	7.25	8.02	124	124.0
07:27			1800	61.2	1.00	7.24	7.54	136	122.0
07:29			3000	61.3	0.99	7.24	6.25	138	125.0
07:31			4200	61.4	0.99	7.23	6.20	140	128.0
07:33			5400	61.4	0.99	7.23	6.18	141	132.0
07:35			6600	61.4	0.98	7.24	6.15	142	135.0

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.74	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:		Conversion	TD: 53.84	DTW_{final} :	
DTW initial:		0.163	DTW_i : 39.68		
		0.652	h: N/A	TIME: 07:36	
Drawdown:		1.457	csg vol: N/A		

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / clint				
DATE: 12-21-21				
Weather: Sunny / chilly				
WELL ID: MW29				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.01	53.89	700	1 deg	3%	0.1	0.3	10% or 5	10% or 5
08:02			700	63.0	1.09	7.78	7.5	112	73
08:04			2100	63.2	1.09	7.78	7.32	124	42
08:06			3500	63.2	1.09	7.77	7.28	130	39
08:08			4900	63.2	1.08	7.76	7.25	133	39
08:10			6100	63.3	1.08	7.76	7.23	134	38
08:12			7500	63.3	1.08	7.76	7.22	135	38

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:		DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:		
			0.652	h:		TIME:
Drawdown:			1.457	csg vol:		08:13

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Joe / clint				
DATE: 12/21/21				
Weather: Sunny / chilly				
WELL ID: MW28				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.11	53.29	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
08:50			500	62.7	1.75	7.21	7.08	120	9
08:52			1500	62.8	1.75	7.22	6.98	145	8
08:54			2500	62.8	1.75	7.22	6.95	152	8
08:56			3500	62.8	1.75	7.23	6.92	154	7
08:58			4500	62.9	1.75	7.23	6.90	154	7
09:00			5500	62.9	1.75	7.23	6.89	156	7
09:02			6500	62.9	1.75	7.23	6.90	156	7

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.71	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:		Conversion	TD:	DTW_{final} :	
DTW initial:		0.163	DTW_i :		
		0.652	h:	TIME: 09:03	
Drawdown:		1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / clint				
DATE: 12/21/21				
Weather: Sunny / chilly / windy				
WELL ID: mw27				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.16	53.88	400	1 deg	3%	0.1	0.3	10% or 5	10% or 5
09:36			400	62.6	1.61	7.08	5.74	1249	27
09:38			1200	62.7	1.61	7.08	5.14	133	20
09:40			2000	62.7	1.61	7.09	4.98	132	18
09:42			2800	62.8	1.61	7.09	4.97	132	17
09:44			3600	62.8	1.61	7.09	4.97	131	15
09:46			4400	62.8	1.62	7.08	4.96	130	12
09:48			5200	62.9	1.62	7.08	4.95	129	10

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:		DTW_{final} :
DTW initial:			0.163	DTW_i :		
			0.652	h:		TIME: 09:49
Drawdown:			1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / Clint				
DATE: 12/21/21				
Weather:				
WELL ID: MW 32				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.81	5339	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
10:26			200	64.5	1.25	6.96	1.96	-124	53
10:28			600	64.5	1.25	6.96	1.95	-124	42
10:30			1000	64.6	1.25	6.95	1.93	-126	39
10:32			1400	64.7	1.25	6.94	1.89	-126	25
10:34			1800	64.7	1.25	6.94	1.85	-126	18
10:36			2200	64.8	1.25	6.93	1.87	-127	12
10:38			2600	64.8	1.25	6.93	1.87	-127	9
10:40			3000	64.8	1.26	6.92	1.86	-127	8
10:42			3400	64.8	1.26	6.92	1.86	-127	8

Depth to Pump Intake	51	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	0.89	Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:		DTW_{final} :
DTW initial:			0.163	DTW_i :		
			0.652	h:		TIME: 10:43
Drawdown:			1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / clint				
DATE: 12/21/21				
Weather: Sunny / chilly, Windy				
WELL ID: MW17				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.61	48.22	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
11:12			500	65.8	1.75	7.08	0.59	-123	20
11:14			1000	66.1	1.74	7.08	0.55	-116	12
11:16			2000	66.1	1.74	7.07	0.52	-112	11
11:18			3000	66.2	1.74	7.06	0.50	-109	11
11:20			4000	66.2	1.74	7.06	0.48	-109	10
11:22			5000	66.2	1.73	7.06	0.47	-108	10
11:24			6000	66.2	1.73	7.05	0.47	-108	10

Depth to Pump Intake	46 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.58 Gallons	Liters	GALLONS	
		WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	Conversion	TD:	DTW_{final} :	
DTW initial:	0.163	DTW_i :		
	0.652	h:	TIME:	
Drawdown:	1.457	csg vol:	11:25	

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / clint				
DATE: 12/21/21				
Weather: sunny, windy, chilly				
WELL ID: MW22				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.44	47.72	300	1 deg	3%	0.1	0.3	10% or 5	10% or 5
11:58			300	64.6	1.00	7.54	229	160	12
12:00			900	64.8	1.00	7.55	2.28	220	12
12:02			1500	64.9	1.00	7.55	2.25	242	11
12:04			2100	64.9	1.00	7.56	2.22	263	10
12:06			2700	64.9	1.00	7.56	2.18	269	10
12:08			3300	64.9	1.00	7.56	2.12	272	9
12:10			3900	64.8	1.00	7.57	2.09	282	9
12:12			4500	64.8	1.00	7.57	2.07	288	9
12:14			5100	64.8	1.00	7.57	2.05	292	9
12:16			5700	64.8	1.00	7.57	2.03	298	8

Depth to Pump Intake	45 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.50 Gallons	Liters	GALLONS	

				WELL INFORMATION		SAMPLE COLLECTION	
DTW final:			Conversion	TD:		DTW_{final} :	
DTW initial:			0.163	DTW_i :			
			0.652	h:		TIME:	
Drawdown:			1.457	csg vol:		12:17	

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / Clint				
DATE: 12/21/21				
Weather: cloudy / windy				
WELL ID: MW11				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.14	47.98	200	1 deg	3%	0.1	0.3	10% or 5	10% or 5
12:45			200	64.7	1.52	7.05	5.15	185	6
12:47			600	64.9	1.52	7.02	4.98	202	5
12:49			1000	65.0	1.52	7.00	4.86	232	5
12:54			2000	65.1	1.52	6.99	4.72	225	4
12:59			3000	65.1	1.53	6.99	4.68	218	4
13:04			4000	65.1	1.53	6.99	4.65	212	3
13:09			5000	65.1	1.53	6.98	4.64	209	2

Depth to Pump Intake	46 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.3 Gallons	Liters	GALLONS	
		WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	Conversion	TD:	DTW_{final} :	
DTW initial:	0.163	DTW_i :		
	0.652	h:	TIME: 13:10	
Drawdown:	1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: Jose / clint			
DATE: 12-22-21			
Weather: Sunny / windy			
WELL ID: MW10			

Comments

unable to Purge, collected No Purge Before an attempt. collected 3 VOAS and 250 mL poly w/ HNO3.

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	41.88	42.92		1 deg	3%	0.1	0.3	10% or 5	10% or 5

Depth to Pump Intake	N/A	Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	N/A	Gallons	Liters	GALLONS	
			WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:		Conversion	TD:	DTW_{final}:	
DTW initial:		0.163	DTW_i:		
		0.652	h:	TIME:	
Drawdown:		1.457	csg vol:	07:45	

COMMENTS

Tubing in well, will need bailer For Next Visit.

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Jose / clint				
DATE: 12/22/21				
Weather: Sunny, windy				
WELL ID: MW31				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	40.44	53.61	500	1 deg	3%	0.1	0.3	10% or 5	10% or 5
08:15			500	62.2	1.13	6.87	0.94	163	20
08:16			1000	62.8	1.13	6.86	0.80	161	21
08:18			2000	65.2	1.14	6.89	0.34	146	21
08:20			3000	65.3	1.14	6.88	0.31	144	21
08:22			4000	65.6	1.14	6.88	0.27	140	13
08:24			5000	65.7	1.14	6.88	0.25	138	10
08:26			6000	65.9	1.14	6.89	0.25	137	9

Depth to Pump Intake	51 Feet	1000 mL = 1 Liter	1 gallon = 3.785 Liters	
Total Purge Volume	1.58 Gallons	Liters	GALLONS	
		WELL INFORMATION	**SAMPLE COLLECTION**	
DTW final:	Conversion	TD:	DTW_{final} :	
DTW initial:	0.163	DTW_i :		
	0.652	h:	TIME: 08:27	
Drawdown:	1.457	csg vol:		

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021
Client/Site: ExxonMobil / Gladiola Station			
Location: Near Tatum, NM			
Sample Technician: Jose | clint			
DATE: 12/22/21			
Weather: Windy, Sunny			
WELL ID: MW 6			

Comments: Collected all Samples From MW 6 attempted to purge, but Not enough water to purge. Sampled @ 09:39

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
		42.23	3953	1 deg	3%	0.1	0.3	10% or 5	10% or 5

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:		DTW_{final} :
DTW initial:			0.163	DTW_i :		
			0.652	h:		TIME:
Drawdown:			1.457	csg vol:		09:39

COMMENTS

Cardno Job #: 3612	Quarter:	4	Year: 2021	Comments
Client/Site: ExxonMobil / Gladiola Station				
Location: Near Tatum, NM				
Sample Technician: Joel / clint				
DATE: 12/22/21				
Weather: Sunny / windy				
WELL ID: MW3				

TIME	DTW	Total Depth	Flow Rate	Temp	COND	pH	DO	ORP	Turbidity
hr:min	feet	feet	mL/min	deg C F	µS/cm	unit	mg/L	mV	NTU
	36.42	44.73	300	1 deg	3%	0.1	0.3	10% or 5	10% or 5
10:26			300	65.9	2.19	7.13	1.27	-124	360
10:28			900	66.2	2.20	7.13	0.45	-145	110
10:30			1560	66.9	2.20	7.13	0.36	-148	189
10:32			2100	66.9	2.20	7.13	0.34	-152	200
10:34			2700	67.1	2.20	7.13	0.34	-153	210
10:36			3300	67.3	2.20	7.14	0.32	-155	189
10:38			3900	67.3	2.20	7.14	0.32	-156	199
10:40			4500	67.4	2.20	7.14	0.31	-158	202
10:42			5100	67.4	2.20	7.14	0.32	-160	208

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

				WELL INFORMATION		SAMPLE COLLECTION
DTW final:			Conversion	TD:		DTW $_{final}$:
DTW initial:			0.163	DTW$_i$:		
			0.652	h:		TIME: 10:43
Drawdown:			1.457	csg vol:		

COMMENTS

Well MW-4

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 3612
WELL: mw-1		SAMPLER(S) Josel Clint
METHOD: Hand Bail	BAILER (type) Disposable	PUMP (type) N/A

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed ([redacted]G	Water Removed ([redacted]) G	Remarks/Pump Status
12/20/21		09:14	37.31	37.59	0.25	0.25	START TIME 09:14
		09:24					End time 09:24
							* Well went dry *

Figure 1

Well MW-1

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 3612
WELL: MW-1R		SAMPLER(S) Jose / Clint
METHOD:	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml) G	Water Removed (ml) G	Remarks/Pump Status
12/20/21	09:40		37.74	37.86	0.25	0.50	* 1/4 of an inch
	09:47	7 min.					measured on Bailor
							@ 0.75 gallons
							Removed of product
							water mixture

Figure 1

Well MW-16

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL:		SAMPLER(S)
METHOD:	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed ~~(ml)~~ G	Water Removed ~~(ml)~~ G	Remarks/Pump Status
12/20/21	10:00	5	39.64	39.79	0.25	0.50	3/4 of a gallon Removed.

Figure 1

Well MW19

Page __ of __

Cardno

LNAPL BAILING FORM

SITE: Gladiola		PROJ. NO. 3612
WELL: MW-19		SAMPLER(S) Jose Cant
METHOD:	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml) g	Water Removed (ml) G	Remarks/Pump Status
12/20/21	10:21	29	39.54	40.06	0.25	1.75	2 gallons Removed
	10:50						

Figure 1

* Will need a New Bailer

Well MW 14

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Cardno
LNAPL BAILING FORM

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

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed ~~(ml)~~ G	Water Removed ~~(ml)~~ G	Remarks/Pump Status
12/20/21	11:02	9	39.37	39.56	0.25	1.50	End @ 11:11

Figure 1

Well MW5

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW5		SAMPLER(S)
METHOD: Hand Bail	BAILER (type) Disposible	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/20/24	1126	8	39.49	39.99	0.125	0.75	Sud @ 11:34 1/8 of product in a 5 gallon Bucket with 3/4 of a gallon of water

Figure 1

Well MW15

Page __ of __

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW15		SAMPLER(S)
METHOD: Hand Bail	BAILER (type) Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (~~ml~~) G	Water Removed (~~ml~~) G	Remarks/Pump Status
12/20/24	11:40	11	39.62	39.78	0.125	1.25	End @ 11:51

Figure 1

Well MW24

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 3612
WELL: MW24		SAMPLER(S) Jose / Clint
METHOD:	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml) G	Water Removed (ml) G	Remarks/Pump Status
12/20/21	11:57	7	38.52	39.38	0.25	0.50	End @ 12:04

Figure 1

Well MW13

Page __ of __

Cardno

LNAPL BAILING FORM

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

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (~~ml~~) G	Remarks/Pump Status
12/20/21	12:18	8	39.56	39.87	0.25	1.75	End @ 12:26

Figure 1

Well MW23

Page __ of __

Cardno
LNAPL BAILING FORM

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

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/20/24	12:35	5	39.93	40.01	0.125	0.50	End @ 12:40

Figure 1

Well MW21 Page __ of __

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW 21		SAMPLER(S)
METHOD:	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/20/21	1244	5	39.74	39.89	0.125	0.~~75~~50	End @ 12:49

Figure 1

Well MW18

Page __ of __

Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW18		SAMPLER(S)
METHOD: Bailing	BAILER (type) Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed ~~(ml)~~ G	Water Removed ~~(ml)~~ G	Remarks/Pump Status
12/20/21	12:58	12	39.59	40.89	1.00	1.50	End @ 13:10

Figure 1

Well MW20

Page __ of __

Cardno

LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW20		SAMPLER(S)
METHOD:	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/24/4	13:23	8	39.96	40.36	0.25	1.25	End @ 13:31

Figure 1

Well MW25

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Cardno

LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW25		SAMPLER(S)
METHOD: NAPL Bail	BAILER (type) disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/20/21	13:50	10	40.09	40.56	0.25	0.75	End @ 14:00

Figure 1

Well MW26

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 01362
WELL: MW 26		SAMPLER(S)
METHOD: Napl Bail	BAILER (type) Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed ~~(ml)~~ G	Water Removed ~~(ml)~~ G	Remarks/Pump Status
12-20-21	14:10	12 min	40.14	41.81	1.0	.5	End @ 1422

Figure 1

Well MW12

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO. 3612
WELL: MW12		SAMPLER(S)
METHOD:	BAILER (type) Disposable	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed ~~(ml)~~ G	Water Removed ~~(ml)~~ G	Remarks/Pump Status
12/20/2	14:34	8	40.86	40.97	0.25	1.25	End @ 14:42

Figure 1

Well MW 9

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Cardno
LNAPL BAILING FORM

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

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/20/21	14:52		41.99	41.27	0.125	0.375	End @ 14:57

Figure 1

Well MW2

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Cardno
LNAPL BAILING FORM

SITE: Gladiola Station		PROJ. NO.
WELL: MW2		SAMPLER(S)
METHOD: Hand Bail	BAILER (type)	PUMP (type)

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

TEST DATA

DATE	TIME	ELAPSED TIME (min)	DEPTH TO PRODUCT (ft)	DEPTH TO WATER (ft)	Oil Removed (ml)	Water Removed (ml)	Remarks/Pump Status
12/22/21	11:02	15	41.11	41.18		1.5	

Figure 1

APPENDIX B

LABORATORY ANALYTICAL REPORTS

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-80045-1
Client Project/Site: ExxonMobil Gladiola Station/3612

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

Attn: Mr. James Anderson

Authorized for release by:
1/28/2022 3:15:54 PM

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

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

Laboratory Job ID: 570-80045-1

Table of Contents

Sample Summary

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

Job ID: 570-80045-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-80045-1	W-MW30	Water	12/21/21 07:36	12/23/21 11:10
570-80045-2	W-MW29	Water	12/21/21 08:13	12/23/21 11:10
570-80045-3	W-MW28	Water	12/21/21 09:03	12/23/21 11:10
570-80045-4	W-MW27	Water	12/21/21 09:49	12/23/21 11:10
570-80045-5	W-MW32	Water	12/21/21 10:43	12/23/21 11:10
570-80045-6	W-MW17	Water	12/21/21 11:25	12/23/21 11:10
570-80045-7	W-MW22	Water	12/21/21 12:17	12/23/21 11:10
570-80045-8	W-MW11	Water	12/21/21 13:10	12/23/21 11:10
570-80045-9	Trip Blank	Water	12/21/21 00:00	12/23/21 11:10

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-80045-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
H	Sample was prepped or analyzed beyond the specified holding time
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
H	Sample was prepped or analyzed beyond the specified holding time

Glossary

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

Case Narrative

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

Job ID: 570-80045-1

Job ID: 570-80045-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-80045-1

Comments
No additional comments.

Receipt
The samples were received on 12/22/2021 11:10 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.5º C.

Receipt Exceptions

Method 8270C SIM: One of two 1 liter amber for the following sample was received broken: W-MW30 (570-80045-1).

Method 8260B: One of three vials for the following sample was received broken: W-MW17 (570-80045-6).

One of four vials for the following sample was received broken: Trip Blank (570-80045-9).

GC/MS VOA
Method 8260B: The following analyte recovered outside control limits for the LCSD associated with analytical batch 570-204360: 2,2-Dichloropropane. 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-204360 were outside control limits: (570-79789-A-6). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-204589. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: The following analyte(s) recovered outside control limits for the LCSD associated with analytical batch 570-204589: 1,2-Dibromo-3-Chloropropane. This is not indicative of a systematic control problem because these were random marginal exceedances. Qualified results have been reported.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-204858. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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

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

Metals
Method 245.1: The following samples were analyzed past the analytical holding time due to an error in sample queue scheduling.

W-MW30 (570-80045-1), W-MW29 (570-80045-2), W-MW28 (570-80045-3), W-MW27 (570-80045-4), W-MW32 (570-80045-5), W-MW17 (570-80045-6), W-MW22 (570-80045-7) and W-MW11 (570-80045-8)

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision of Silver for preparation batch 440-664411 and analytical batch 440-664516 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because

Case Narrative

Client: Cardno, Inc Job ID: 570-80045-1
Project/Site: ExxonMobil Gladiola Station/3612

Job ID: 570-80045-1 (Continued)

Laboratory: Eurofins Calscience (Continued)

the associated laboratory control sample (LCS) 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
Method 2320B: The holding time was missed for the following samples due to sample scheduling error. Client was notified and advised the laboratory not to proceed with the analysis. Please refer to the attached email.

W-MW30 (570-80045-1), W-MW29 (570-80045-2), W-MW28 (570-80045-3), W-MW27 (570-80045-4), W-MW32 (570-80045-5), W-MW17 (570-80045-6), W-MW22 (570-80045-7) and W-MW11 (570-80045-8)

Method SM 2540C: The following samples were analyzed outside of analytical holding time due to login error: W-MW30 (570-80045-1), W-MW29 (570-80045-2), W-MW28 (570-80045-3), W-MW27 (570-80045-4), W-MW32 (570-80045-5), W-MW17 (570-80045-6), W-MW22 (570-80045-7) and W-MW11 (570-80045-8). Sample collection date of 12/22/021 was entered for all samples and it should have been 12/21/2021.

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 570-203706. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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: 570-80045-1

Client Sample ID: W-MW30 — Lab Sample ID: 570-80045-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.6	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	53.5		10.0	2.20	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	725	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	129		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW29 — Lab Sample ID: 570-80045-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	12.5	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	44.6		10.0	2.20	ug/L	1		6010B	Total Recoverable
Selenium	12.3	J	20.0	8.70	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	780	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	147		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW28 — Lab Sample ID: 570-80045-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	8.90	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	47.5		10.0	2.20	ug/L	1		6010B	Total Recoverable
Selenium	20.0		20.0	8.70	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	1280	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	195		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW27 — Lab Sample ID: 570-80045-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.6	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	60.3		10.0	2.20	ug/L	1		6010B	Total Recoverable
Selenium	12.1	J	20.0	8.70	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	1290	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	290		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW32 — Lab Sample ID: 570-80045-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.71		0.50	0.27	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.51		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	0.85		0.50	0.34	ug/L	1		8260B	Total/NA
Arsenic	40.7		20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	345		10.0	2.20	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	740	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	36.5		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

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

Job ID: 570-80045-1

Client Sample ID: W-MW17 — Lab Sample ID: 570-80045-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	93		10	5.3	ug/L	20		8260B	Total/NA
Ethylbenzene	910		10	3.5	ug/L	20		8260B	Total/NA
m,p-Xylene	270		20	16	ug/L	20		8260B	Total/NA
Xylenes, Total	270		20	16	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	130		10	5.7	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	28		10	5.7	ug/L	20		8260B	Total/NA
Isopropylbenzene	61		10	7.7	ug/L	20		8260B	Total/NA
Naphthalene	92		20	6.4	ug/L	20		8260B	Total/NA
N-Propylbenzene	62		10	3.6	ug/L	20		8260B	Total/NA
sec-Butylbenzene	7.7	J	10	6.8	ug/L	20		8260B	Total/NA
Acenaphthene	0.099	J	0.19	0.093	ug/L	1		8270C SIM	Total/NA
Fluorene	1.2		0.19	0.071	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.47		0.19	0.070	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene - DL	31		1.9	0.70	ug/L	10		8270C SIM	Total/NA
2-Methylnaphthalene - DL	25		1.9	0.73	ug/L	10		8270C SIM	Total/NA
Naphthalene - DL	71		1.9	0.79	ug/L	10		8270C SIM	Total/NA
Barium	13100		10.0	2.20	ug/L	1		6010B	Total Recoverable
Cadmium	2.70	J	5.00	0.940	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	1070	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	4.43		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW22 — Lab Sample ID: 570-80045-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	9.10	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	12800		10.0	2.20	ug/L	1		6010B	Total Recoverable
Cadmium	2.40	J	5.00	0.940	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	740	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	29.6		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW11 — Lab Sample ID: 570-80045-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	16.4	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	44.1		10.0	2.20	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	1020	H	1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	141		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 570-80045-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW30

Date Collected: 12/21/21 07:36
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			12/30/21 05:03	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 05:03	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 05:03	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 05:03	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 05:03	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 05:03	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 05:03	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 05:03	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 05:03	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 05:03	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 05:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 05:03	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 05:03	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 05:03	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 05:03	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 05:03	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 05:03	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 05:03	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 05:03	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 05:03	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 05:03	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 05:03	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 05:03	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 05:03	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 05:03	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 05:03	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 05:03	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 05:03	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 05:03	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 05:03	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 05:03	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 05:03	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 05:03	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 05:03	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 05:03	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 05:03	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 05:03	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 05:03	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 05:03	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 05:03	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 05:03	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 05:03	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 05:03	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 05:03	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 05:03	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 05:03	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 05:03	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 05:03	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 05:03	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW30
Date Collected: 12/21/21 07:36
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-1
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 05:03	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 05:03	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 05:03	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 05:03	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 05:03	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 05:03	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 05:03	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 05:03	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 05:03	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 05:03	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 05:03	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 05:03	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 05:03	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 05:03	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 05:03	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 05:03	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 05:03	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 05:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 135*		*12/30/21 05:03*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*12/30/21 05:03*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*12/30/21 05:03*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/30/21 05:03*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/28/21 08:21	12/29/21 18:49	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/28/21 08:21	12/29/21 18:49	1
Anthracene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/29/21 18:49	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/28/21 08:21	12/29/21 18:49	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/28/21 08:21	12/29/21 18:49	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/29/21 18:49	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/28/21 08:21	12/29/21 18:49	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/28/21 08:21	12/29/21 18:49	1
Chrysene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/29/21 18:49	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/29/21 18:49	1
Fluoranthene	ND		0.20	0.068	ug/L		12/28/21 08:21	12/29/21 18:49	1
Fluorene	ND		0.20	0.075	ug/L		12/28/21 08:21	12/29/21 18:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/29/21 18:49	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/29/21 18:49	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/28/21 08:21	12/29/21 18:49	1
Naphthalene	ND		0.20	0.083	ug/L		12/28/21 08:21	12/29/21 18:49	1
Phenanthrene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/29/21 18:49	1
Pyrene	ND		0.20	0.066	ug/L		12/28/21 08:21	12/29/21 18:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*92*		*33 - 144*	*12/28/21 08:21*	*12/29/21 18:49*	*1*
Nitrobenzene-d5 (Surr)	*55*		*28 - 139*	*12/28/21 08:21*	*12/29/21 18:49*	*1*
p-Terphenyl-d14 (Surr)	*85*		*23 - 160*	*12/28/21 08:21*	*12/29/21 18:49*	*1*

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW30

Date Collected: 12/21/21 07:36
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-1
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:08	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15.6**	**J**	20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:25	1
Barium	**53.5**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:25	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:25	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:25	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:25	1
Selenium	ND		20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:25	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**725**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**129**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW29

Date Collected: 12/21/21 08:13
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			12/30/21 05:32	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 05:32	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 05:32	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 05:32	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 05:32	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 05:32	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 05:32	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 05:32	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 05:32	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 05:32	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 05:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 05:32	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 05:32	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 05:32	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 05:32	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 05:32	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 05:32	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 05:32	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 05:32	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 05:32	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 05:32	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 05:32	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 05:32	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 05:32	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 05:32	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 05:32	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 05:32	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW29
Date Collected: 12/21/21 08:13
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 05:32	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 05:32	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 05:32	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 05:32	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 05:32	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 05:32	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 05:32	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 05:32	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 05:32	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 05:32	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 05:32	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 05:32	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 05:32	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 05:32	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 05:32	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 05:32	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 05:32	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 05:32	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 05:32	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 05:32	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 05:32	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 05:32	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 05:32	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 05:32	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 05:32	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 05:32	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 05:32	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 05:32	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 05:32	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 05:32	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 05:32	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 05:32	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 05:32	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 05:32	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 05:32	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 05:32	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 05:32	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 05:32	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 05:32	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 05:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 135*		*12/30/21 05:32*	*1*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*		*12/30/21 05:32*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*12/30/21 05:32*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/30/21 05:32*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/28/21 08:21	12/30/21 10:49	1

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Client Sample Results

Client: Cardno, Inc
Job ID: 570-80045-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-MW29
Lab Sample ID: 570-80045-2
Date Collected: 12/21/21 08:13
Matrix: Water
Date Received: 12/23/21 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.20	0.069	ug/L		12/28/21 08:21	12/30/21 10:49	1
Anthracene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 10:49	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/28/21 08:21	12/30/21 10:49	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/28/21 08:21	12/30/21 10:49	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 10:49	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/28/21 08:21	12/30/21 10:49	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/28/21 08:21	12/30/21 10:49	1
Chrysene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 10:49	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 10:49	1
Fluoranthene	ND		0.20	0.068	ug/L		12/28/21 08:21	12/30/21 10:49	1
Fluorene	ND		0.20	0.075	ug/L		12/28/21 08:21	12/30/21 10:49	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/30/21 10:49	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 10:49	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/28/21 08:21	12/30/21 10:49	1
Naphthalene	ND		0.20	0.083	ug/L		12/28/21 08:21	12/30/21 10:49	1
Phenanthrene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 10:49	1
Pyrene	ND		0.20	0.066	ug/L		12/28/21 08:21	12/30/21 10:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*106*		*33 - 144*	*12/28/21 08:21*	*12/30/21 10:49*	*1*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*12/28/21 08:21*	*12/30/21 10:49*	*1*
p-Terphenyl-d14 (Surr)	*103*		*23 - 160*	*12/28/21 08:21*	*12/30/21 10:49*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:10	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**12.5**	**J**	20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:27	1
Barium	**44.6**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:27	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:27	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:27	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:27	1
Selenium	**12.3**	**J**	20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:27	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**780**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**147**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW28
Lab Sample ID: 570-80045-3
Date Collected: 12/21/21 09:03
Matrix: Water
Date Received: 12/23/21 11:10

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			12/30/21 06:00	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 06:00	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 06:00	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW28
Date Collected: 12/21/21 09:03
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 06:00	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 06:00	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 06:00	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 06:00	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 06:00	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 06:00	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 06:00	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 06:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 06:00	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 06:00	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 06:00	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 06:00	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 06:00	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 06:00	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 06:00	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 06:00	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 06:00	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 06:00	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 06:00	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 06:00	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 06:00	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 06:00	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 06:00	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 06:00	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 06:00	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 06:00	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 06:00	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 06:00	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 06:00	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 06:00	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 06:00	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 06:00	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 06:00	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 06:00	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 06:00	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 06:00	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 06:00	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 06:00	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 06:00	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 06:00	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 06:00	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 06:00	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 06:00	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 06:00	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 06:00	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 06:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 06:00	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 06:00	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 06:00	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW28
Date Collected: 12/21/21 09:03
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 06:00	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 06:00	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 06:00	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 06:00	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 06:00	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 06:00	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 06:00	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 06:00	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 06:00	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 06:00	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 06:00	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 06:00	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 06:00	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 06:00	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 06:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*68 - 135*		*12/30/21 06:00*	*1*
4-Bromofluorobenzene (Surr)	*91*		*71 - 120*		*12/30/21 06:00*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*12/30/21 06:00*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/30/21 06:00*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/28/21 08:21	12/30/21 11:08	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/28/21 08:21	12/30/21 11:08	1
Anthracene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 11:08	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/28/21 08:21	12/30/21 11:08	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/28/21 08:21	12/30/21 11:08	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 11:08	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/28/21 08:21	12/30/21 11:08	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/28/21 08:21	12/30/21 11:08	1
Chrysene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 11:08	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 11:08	1
Fluoranthene	ND		0.20	0.068	ug/L		12/28/21 08:21	12/30/21 11:08	1
Fluorene	ND		0.20	0.075	ug/L		12/28/21 08:21	12/30/21 11:08	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/30/21 11:08	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 11:08	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/28/21 08:21	12/30/21 11:08	1
Naphthalene	ND		0.20	0.083	ug/L		12/28/21 08:21	12/30/21 11:08	1
Phenanthrene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 11:08	1
Pyrene	ND		0.20	0.066	ug/L		12/28/21 08:21	12/30/21 11:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*93*		*33 - 144*	*12/28/21 08:21*	*12/30/21 11:08*	*1*
Nitrobenzene-d5 (Surr)	*67*		*28 - 139*	*12/28/21 08:21*	*12/30/21 11:08*	*1*
p-Terphenyl-d14 (Surr)	*88*		*23 - 160*	*12/28/21 08:21*	*12/30/21 11:08*	*1*

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW28

Lab Sample ID: 570-80045-3
Date Collected: 12/21/21 09:03
Matrix: Water
Date Received: 12/23/21 11:10

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:12	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.90**	**J**	20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:30	1
Barium	**47.5**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:30	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:30	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:30	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:30	1
Selenium	**20.0**		20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:30	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1280**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**195**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW27

Lab Sample ID: 570-80045-4
Date Collected: 12/21/21 09:49
Matrix: Water
Date Received: 12/23/21 11:10

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			12/30/21 06:29	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 06:29	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 06:29	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 06:29	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 06:29	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 06:29	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 06:29	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 06:29	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 06:29	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 06:29	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 06:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 06:29	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 06:29	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 06:29	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 06:29	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 06:29	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 06:29	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 06:29	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 06:29	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 06:29	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 06:29	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 06:29	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 06:29	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 06:29	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 06:29	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 06:29	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 06:29	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW27
Date Collected: 12/21/21 09:49
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 06:29	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 06:29	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 06:29	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 06:29	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 06:29	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 06:29	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 06:29	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 06:29	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 06:29	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 06:29	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 06:29	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 06:29	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 06:29	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 06:29	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 06:29	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 06:29	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 06:29	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 06:29	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 06:29	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 06:29	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 06:29	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 06:29	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 06:29	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 06:29	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 06:29	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 06:29	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 06:29	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 06:29	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 06:29	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 06:29	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 06:29	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 06:29	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 06:29	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 06:29	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 06:29	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 06:29	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 06:29	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 06:29	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 06:29	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 06:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*68 - 135*		*12/30/21 06:29*	*1*
4-Bromofluorobenzene (Surr)	*91*		*71 - 120*		*12/30/21 06:29*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*12/30/21 06:29*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*12/30/21 06:29*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/28/21 08:21	12/30/21 11:28	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW27

Date Collected: 12/21/21 09:49
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.20	0.069	ug/L		12/28/21 08:21	12/30/21 11:28	1
Anthracene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 11:28	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/28/21 08:21	12/30/21 11:28	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/28/21 08:21	12/30/21 11:28	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 11:28	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/28/21 08:21	12/30/21 11:28	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/28/21 08:21	12/30/21 11:28	1
Chrysene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 11:28	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 11:28	1
Fluoranthene	ND		0.20	0.068	ug/L		12/28/21 08:21	12/30/21 11:28	1
Fluorene	ND		0.20	0.075	ug/L		12/28/21 08:21	12/30/21 11:28	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/30/21 11:28	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 11:28	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/28/21 08:21	12/30/21 11:28	1
Naphthalene	ND		0.20	0.083	ug/L		12/28/21 08:21	12/30/21 11:28	1
Phenanthrene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 11:28	1
Pyrene	ND		0.20	0.066	ug/L		12/28/21 08:21	12/30/21 11:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*95*		*33 - 144*	*12/28/21 08:21*	*12/30/21 11:28*	*1*
Nitrobenzene-d5 (Surr)	*66*		*28 - 139*	*12/28/21 08:21*	*12/30/21 11:28*	*1*
p-Terphenyl-d14 (Surr)	*96*		*23 - 160*	*12/28/21 08:21*	*12/30/21 11:28*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:17	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16.6**	**J**	20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:32	1
Barium	**60.3**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:32	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:32	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:32	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:32	1
Selenium	**12.1**	**J**	20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:32	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1290**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**290**		10.0	2.98	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW32

Date Collected: 12/21/21 10:43
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.71**		0.50	0.27	ug/L			12/30/21 06:57	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 06:57	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 06:57	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW32
Date Collected: 12/21/21 10:43
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 06:57	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 06:57	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 06:57	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 06:57	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 06:57	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 06:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 06:57	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 06:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 06:57	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 06:57	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 06:57	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 06:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 06:57	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 06:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 06:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 06:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 06:57	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 06:57	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 06:57	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 06:57	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 06:57	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 06:57	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 06:57	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 06:57	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 06:57	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 06:57	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 06:57	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 06:57	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 06:57	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 06:57	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 06:57	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 06:57	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 06:57	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 06:57	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 06:57	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 06:57	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 06:57	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 06:57	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 06:57	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 06:57	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 06:57	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 06:57	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 06:57	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 06:57	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 06:57	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 06:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 06:57	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 06:57	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 06:57	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW32
Date Collected: 12/21/21 10:43
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 06:57	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 06:57	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 06:57	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 06:57	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 06:57	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 06:57	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 06:57	1
p-Isopropyltoluene	**0.51**		0.50	0.28	ug/L			12/30/21 06:57	1
sec-Butylbenzene	**1.1**		0.50	0.34	ug/L			12/30/21 06:57	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 06:57	1
tert-Butylbenzene	**0.85**		0.50	0.34	ug/L			12/30/21 06:57	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 06:57	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 06:57	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 06:57	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 06:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*68 - 135*		*12/30/21 06:57*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*12/30/21 06:57*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*12/30/21 06:57*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/30/21 06:57*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/28/21 08:21	12/30/21 11:47	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/28/21 08:21	12/30/21 11:47	1
Anthracene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 11:47	1
Benzo[a]anthracene	ND		0.20	0.085	ug/L		12/28/21 08:21	12/30/21 11:47	1
Benzo[a]pyrene	ND		0.20	0.062	ug/L		12/28/21 08:21	12/30/21 11:47	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/28/21 08:21	12/30/21 11:47	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/28/21 08:21	12/30/21 11:47	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/28/21 08:21	12/30/21 11:47	1
Chrysene	ND		0.20	0.059	ug/L		12/28/21 08:21	12/30/21 11:47	1
Dibenz(a,h)anthracene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/30/21 11:47	1
Fluoranthene	ND		0.20	0.067	ug/L		12/28/21 08:21	12/30/21 11:47	1
Fluorene	ND		0.20	0.075	ug/L		12/28/21 08:21	12/30/21 11:47	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/28/21 08:21	12/30/21 11:47	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 11:47	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/28/21 08:21	12/30/21 11:47	1
Naphthalene	ND		0.20	0.082	ug/L		12/28/21 08:21	12/30/21 11:47	1
Phenanthrene	ND		0.20	0.073	ug/L		12/28/21 08:21	12/30/21 11:47	1
Pyrene	ND		0.20	0.066	ug/L		12/28/21 08:21	12/30/21 11:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*	*12/28/21 08:21*	*12/30/21 11:47*	*1*
Nitrobenzene-d5 (Surr)	*65*		*28 - 139*	*12/28/21 08:21*	*12/30/21 11:47*	*1*
p-Terphenyl-d14 (Surr)	*76*		*23 - 160*	*12/28/21 08:21*	*12/30/21 11:47*	*1*

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW32

Lab Sample ID: 570-80045-5
Date Collected: 12/21/21 10:43
Matrix: Water
Date Received: 12/23/21 11:10

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:19	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**40.7**		20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:40	1
Barium	**345**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:40	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:40	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:40	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:40	1
Selenium	ND		20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:40	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**740**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**36.5**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW17

Lab Sample ID: 570-80045-6
Date Collected: 12/21/21 11:25
Matrix: Water
Date Received: 12/23/21 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**93**		10	5.3	ug/L			12/30/21 07:26	20
Toluene	ND		10	3.0	ug/L			12/30/21 07:26	20
Ethylbenzene	**910**		10	3.5	ug/L			12/30/21 07:26	20
o-Xylene	ND		10	3.5	ug/L			12/30/21 07:26	20
m,p-Xylene	**270**		20	16	ug/L			12/30/21 07:26	20
Xylenes, Total	**270**		20	16	ug/L			12/30/21 07:26	20
Methyl-t-Butyl Ether (MTBE)	ND		10	4.1	ug/L			12/30/21 07:26	20
1,1,1,2-Tetrachloroethane	ND		10	5.1	ug/L			12/30/21 07:26	20
1,1,1-Trichloroethane	ND		10	5.3	ug/L			12/30/21 07:26	20
1,1,2,2-Tetrachloroethane	ND		10	3.9	ug/L			12/30/21 07:26	20
1,1,2-Trichloroethane	ND		10	3.6	ug/L			12/30/21 07:26	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	5.0	ug/L			12/30/21 07:26	20
1,1-Dichloroethane	ND		10	3.5	ug/L			12/30/21 07:26	20
1,1-Dichloroethene	ND		10	7.8	ug/L			12/30/21 07:26	20
1,1-Dichloropropene	ND		10	4.8	ug/L			12/30/21 07:26	20
1,2,3-Trichlorobenzene	ND		10	5.5	ug/L			12/30/21 07:26	20
1,2,3-Trichloropropane	ND		10	6.4	ug/L			12/30/21 07:26	20
1,2,4-Trichlorobenzene	ND		10	7.5	ug/L			12/30/21 07:26	20
1,2,4-Trimethylbenzene	**130**		10	5.7	ug/L			12/30/21 07:26	20
1,3,5-Trimethylbenzene	**28**		10	5.7	ug/L			12/30/21 07:26	20
c-1,2-Dichloroethene	ND		10	6.0	ug/L			12/30/21 07:26	20
1,2-Dibromo-3-Chloropropane	ND	*+	20	13	ug/L			12/30/21 07:26	20
1,2-Dichlorobenzene	ND		10	4.6	ug/L			12/30/21 07:26	20
1,2-Dichloroethane	ND		10	3.0	ug/L			12/30/21 07:26	20
1,2-Dichloropropane	ND		10	4.8	ug/L			12/30/21 07:26	20
t-1,2-Dichloroethene	ND		10	7.2	ug/L			12/30/21 07:26	20
c-1,3-Dichloropropene	ND		10	3.8	ug/L			12/30/21 07:26	20

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW17
Date Collected: 12/21/21 11:25
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		10	5.1	ug/L			12/30/21 07:26	20
1,3-Dichloropropane	ND		10	4.1	ug/L			12/30/21 07:26	20
t-1,3-Dichloropropene	ND		10	3.5	ug/L			12/30/21 07:26	20
1,4-Dichlorobenzene	ND		10	4.5	ug/L			12/30/21 07:26	20
2,2-Dichloropropane	ND		10	7.9	ug/L			12/30/21 07:26	20
2-Chlorotoluene	ND		10	6.2	ug/L			12/30/21 07:26	20
4-Chlorotoluene	ND		10	6.7	ug/L			12/30/21 07:26	20
4-Methyl-2-pentanone	ND		100	45	ug/L			12/30/21 07:26	20
Acetone	ND		160	80	ug/L			12/30/21 07:26	20
Bromobenzene	ND		10	5.2	ug/L			12/30/21 07:26	20
Bromochloromethane	ND		20	7.0	ug/L			12/30/21 07:26	20
Bromoform	ND		10	7.8	ug/L			12/30/21 07:26	20
Bromomethane	ND		20	19	ug/L			12/30/21 07:26	20
Carbon disulfide	ND		20	4.9	ug/L			12/30/21 07:26	20
Carbon tetrachloride	ND		10	5.4	ug/L			12/30/21 07:26	20
Chlorobenzene	ND		10	4.8	ug/L			12/30/21 07:26	20
Dibromochloromethane	ND		10	5.4	ug/L			12/30/21 07:26	20
Chloroethane	ND		10	8.8	ug/L			12/30/21 07:26	20
Chloroform	ND		10	5.7	ug/L			12/30/21 07:26	20
Chloromethane	ND		20	5.9	ug/L			12/30/21 07:26	20
Dibromomethane	ND		10	4.6	ug/L			12/30/21 07:26	20
Bromodichloromethane	ND		10	4.5	ug/L			12/30/21 07:26	20
Dichlorodifluoromethane	ND		20	14	ug/L			12/30/21 07:26	20
1,2-Dibromoethane	ND		10	2.7	ug/L			12/30/21 07:26	20
Hexachloro-1,3-butadiene	ND		20	6.3	ug/L			12/30/21 07:26	20
Isopropylbenzene	**61**		10	7.7	ug/L			12/30/21 07:26	20
2-Butanone	ND		100	61	ug/L			12/30/21 07:26	20
Methylene Chloride	ND		20	13	ug/L			12/30/21 07:26	20
2-Hexanone	ND		120	86	ug/L			12/30/21 07:26	20
Naphthalene	**92**		20	6.4	ug/L			12/30/21 07:26	20
n-Butylbenzene	ND		10	5.9	ug/L			12/30/21 07:26	20
N-Propylbenzene	**62**		10	3.6	ug/L			12/30/21 07:26	20
p-Isopropyltoluene	ND		10	5.5	ug/L			12/30/21 07:26	20
sec-Butylbenzene	**7.7**	**J**	10	6.8	ug/L			12/30/21 07:26	20
Styrene	ND		10	5.5	ug/L			12/30/21 07:26	20
tert-Butylbenzene	ND		10	6.8	ug/L			12/30/21 07:26	20
Tetrachloroethene	ND		10	5.8	ug/L			12/30/21 07:26	20
Trichloroethene	ND		10	5.8	ug/L			12/30/21 07:26	20
Trichlorofluoromethane	ND		10	5.9	ug/L			12/30/21 07:26	20
Vinyl chloride	ND		10	8.0	ug/L			12/30/21 07:26	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 135*		*12/30/21 07:26*	*20*
4-Bromofluorobenzene (Surr)	*101*		*71 - 120*		*12/30/21 07:26*	*20*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*12/30/21 07:26*	*20*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/30/21 07:26*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.099**	**J**	0.19	0.093	ug/L		12/28/21 08:21	12/30/21 12:07	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW17
Date Collected: 12/21/21 11:25
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.19	0.066	ug/L		12/28/21 08:21	12/30/21 12:07	1
Anthracene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 12:07	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/28/21 08:21	12/30/21 12:07	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/28/21 08:21	12/30/21 12:07	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 12:07	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/28/21 08:21	12/30/21 12:07	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/28/21 08:21	12/30/21 12:07	1
Chrysene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 12:07	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 12:07	1
Fluoranthene	ND		0.19	0.065	ug/L		12/28/21 08:21	12/30/21 12:07	1
Fluorene	**1.2**		0.19	0.071	ug/L		12/28/21 08:21	12/30/21 12:07	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/28/21 08:21	12/30/21 12:07	1
Phenanthrene	**0.47**		0.19	0.070	ug/L		12/28/21 08:21	12/30/21 12:07	1
Pyrene	ND		0.19	0.063	ug/L		12/28/21 08:21	12/30/21 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*103*		*33 - 144*	*12/28/21 08:21*	*12/30/21 12:07*	*1*
Nitrobenzene-d5 (Surr)	*78*		*28 - 139*	*12/28/21 08:21*	*12/30/21 12:07*	*1*
p-Terphenyl-d14 (Surr)	*82*		*23 - 160*	*12/28/21 08:21*	*12/30/21 12:07*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**31**		1.9	0.70	ug/L		12/28/21 08:21	12/30/21 14:52	10
2-Methylnaphthalene	**25**		1.9	0.73	ug/L		12/28/21 08:21	12/30/21 14:52	10
Naphthalene	**71**		1.9	0.79	ug/L		12/28/21 08:21	12/30/21 14:52	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*134*		*33 - 144*	*12/28/21 08:21*	*12/30/21 14:52*	*10*
Nitrobenzene-d5 (Surr)	*77*		*28 - 139*	*12/28/21 08:21*	*12/30/21 14:52*	*10*
p-Terphenyl-d14 (Surr)	*104*		*23 - 160*	*12/28/21 08:21*	*12/30/21 14:52*	*10*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:21	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:42	1
Barium	**13100**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:42	1
Cadmium	**2.70**	**J**	5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:42	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:42	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:42	1
Selenium	ND		20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:42	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1070**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**4.43**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW22

Date Collected: 12/21/21 12:17
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			12/30/21 07:54	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 07:54	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 07:54	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 07:54	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 07:54	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 07:54	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 07:54	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 07:54	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 07:54	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 07:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 07:54	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 07:54	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 07:54	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 07:54	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 07:54	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 07:54	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 07:54	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 07:54	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 07:54	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 07:54	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 07:54	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 07:54	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 07:54	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 07:54	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 07:54	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 07:54	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 07:54	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 07:54	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 07:54	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 07:54	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 07:54	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 07:54	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 07:54	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 07:54	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 07:54	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 07:54	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 07:54	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 07:54	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 07:54	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 07:54	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 07:54	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 07:54	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 07:54	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 07:54	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 07:54	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 07:54	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 07:54	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 07:54	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 07:54	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW22
Date Collected: 12/21/21 12:17
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 07:54	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 07:54	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 07:54	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 07:54	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 07:54	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 07:54	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 07:54	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 07:54	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 07:54	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 07:54	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 07:54	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 07:54	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 07:54	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 07:54	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 07:54	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 07:54	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 07:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 135*		*12/30/21 07:54*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*12/30/21 07:54*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*		*12/30/21 07:54*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*12/30/21 07:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	ND		0.50	0.18	ug/L			12/31/21 02:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 135*		*12/31/21 02:28*	*1*
4-Bromofluorobenzene (Surr)	*89*		*71 - 120*		*12/31/21 02:28*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*12/31/21 02:28*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/31/21 02:28*	*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		12/28/21 08:21	12/30/21 12:26	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/28/21 08:21	12/30/21 12:26	1
Anthracene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 12:26	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/28/21 08:21	12/30/21 12:26	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/28/21 08:21	12/30/21 12:26	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 12:26	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/28/21 08:21	12/30/21 12:26	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		12/28/21 08:21	12/30/21 12:26	1
Chrysene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 12:26	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 12:26	1
Fluoranthene	ND		0.19	0.064	ug/L		12/28/21 08:21	12/30/21 12:26	1
Fluorene	ND		0.19	0.071	ug/L		12/28/21 08:21	12/30/21 12:26	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/28/21 08:21	12/30/21 12:26	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		12/28/21 08:21	12/30/21 12:26	1

Client Sample Results

Client: Cardno, Inc
Job ID: 570-80045-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: W-MW22
Lab Sample ID: 570-80045-7
Date Collected: 12/21/21 12:17
Matrix: Water
Date Received: 12/23/21 11:10

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/28/21 08:21	12/30/21 12:26	1
Naphthalene	ND		0.19	0.078	ug/L		12/28/21 08:21	12/30/21 12:26	1
Phenanthrene	ND		0.19	0.069	ug/L		12/28/21 08:21	12/30/21 12:26	1
Pyrene	ND		0.19	0.063	ug/L		12/28/21 08:21	12/30/21 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*99*		*33 - 144*	*12/28/21 08:21*	*12/30/21 12:26*	*1*
Nitrobenzene-d5 (Surr)	*65*		*28 - 139*	*12/28/21 08:21*	*12/30/21 12:26*	*1*
p-Terphenyl-d14 (Surr)	*91*		*23 - 160*	*12/28/21 08:21*	*12/30/21 12:26*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:23	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**9.10**	**J**	20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:44	1
Barium	**12800**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:44	1
Cadmium	**2.40**	**J**	5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:44	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:44	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:44	1
Selenium	ND		20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:44	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**740**	**H**	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**29.6**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW11
Lab Sample ID: 570-80045-8
Date Collected: 12/21/21 13:10
Matrix: Water
Date Received: 12/23/21 11:10

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			12/30/21 08:23	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 08:23	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 08:23	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 08:23	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 08:23	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 08:23	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 08:23	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 08:23	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 08:23	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 08:23	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 08:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 08:23	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 08:23	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 08:23	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 08:23	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 08:23	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW11

Date Collected: 12/21/21 13:10
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-8

Matrix: Water

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			12/30/21 08:23	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 08:23	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 08:23	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 08:23	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 08:23	1
1,2-Dibromo-3-Chloropropane	ND	*+	1.0	0.64	ug/L			12/30/21 08:23	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 08:23	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 08:23	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 08:23	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 08:23	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 08:23	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 08:23	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 08:23	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 08:23	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 08:23	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 08:23	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 08:23	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 08:23	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 08:23	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 08:23	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 08:23	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 08:23	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 08:23	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 08:23	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 08:23	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 08:23	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 08:23	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 08:23	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 08:23	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 08:23	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 08:23	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 08:23	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 08:23	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 08:23	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 08:23	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 08:23	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 08:23	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 08:23	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 08:23	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 08:23	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 08:23	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 08:23	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 08:23	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 08:23	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 08:23	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 08:23	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 08:23	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 08:23	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 08:23	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW11
Date Collected: 12/21/21 13:10
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 08:23	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 08:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*68 - 135*		*12/30/21 08:23*	*1*
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*12/30/21 08:23*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*		*12/30/21 08:23*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*12/30/21 08:23*	*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		12/28/21 08:21	12/30/21 12:46	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/28/21 08:21	12/30/21 12:46	1
Anthracene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 12:46	1
Benzo[a]anthracene	ND		0.19	0.082	ug/L		12/28/21 08:21	12/30/21 12:46	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/28/21 08:21	12/30/21 12:46	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 12:46	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/28/21 08:21	12/30/21 12:46	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		12/28/21 08:21	12/30/21 12:46	1
Chrysene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 12:46	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 12:46	1
Fluoranthene	ND		0.19	0.065	ug/L		12/28/21 08:21	12/30/21 12:46	1
Fluorene	ND		0.19	0.072	ug/L		12/28/21 08:21	12/30/21 12:46	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/28/21 08:21	12/30/21 12:46	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		12/28/21 08:21	12/30/21 12:46	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/28/21 08:21	12/30/21 12:46	1
Naphthalene	ND		0.19	0.079	ug/L		12/28/21 08:21	12/30/21 12:46	1
Phenanthrene	ND		0.19	0.070	ug/L		12/28/21 08:21	12/30/21 12:46	1
Pyrene	ND		0.19	0.063	ug/L		12/28/21 08:21	12/30/21 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*104*		*33 - 144*	*12/28/21 08:21*	*12/30/21 12:46*	*1*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*12/28/21 08:21*	*12/30/21 12:46*	*1*
p-Terphenyl-d14 (Surr)	*91*		*23 - 160*	*12/28/21 08:21*	*12/30/21 12:46*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 14:25	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**16.4**	**J**	20.0	8.90	ug/L		01/13/22 12:22	01/15/22 01:47	1
Barium	**44.1**		10.0	2.20	ug/L		01/13/22 12:22	01/15/22 01:47	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/15/22 01:47	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/15/22 01:47	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/15/22 01:47	1
Selenium	ND		20.0	8.70	ug/L		01/13/22 12:22	01/15/22 01:47	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/15/22 01:47	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: W-MW11

Lab Sample ID: 570-80045-8
Matrix: Water
Date Collected: 12/21/21 13:10
Date Received: 12/23/21 11:10

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1020	H	1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	141		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: Trip Blank

Lab Sample ID: 570-80045-9
Matrix: Water
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:10

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			12/29/21 14:40	1
Toluene	ND		0.50	0.15	ug/L			12/29/21 14:40	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/29/21 14:40	1
o-Xylene	ND		0.50	0.17	ug/L			12/29/21 14:40	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/29/21 14:40	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/29/21 14:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/29/21 14:40	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/29/21 14:40	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/29/21 14:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/29/21 14:40	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/29/21 14:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/29/21 14:40	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/29/21 14:40	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/29/21 14:40	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/29/21 14:40	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/29/21 14:40	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/29/21 14:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/29/21 14:40	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/29/21 14:40	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/29/21 14:40	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/29/21 14:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/29/21 14:40	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/29/21 14:40	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/29/21 14:40	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/29/21 14:40	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/29/21 14:40	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/29/21 14:40	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/29/21 14:40	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/29/21 14:40	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/29/21 14:40	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/29/21 14:40	1
2,2-Dichloropropane	ND	*+	0.50	0.40	ug/L			12/29/21 14:40	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/29/21 14:40	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/29/21 14:40	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/29/21 14:40	1
Acetone	ND		8.0	4.0	ug/L			12/29/21 14:40	1
Bromobenzene	ND		0.50	0.26	ug/L			12/29/21 14:40	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/29/21 14:40	1
Bromoform	ND		0.50	0.39	ug/L			12/29/21 14:40	1
Bromomethane	ND		1.0	0.93	ug/L			12/29/21 14:40	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/29/21 14:40	1

Client Sample Results

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

Job ID: 570-80045-1

Client Sample ID: Trip Blank

Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-9

Matrix: Water

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			12/29/21 14:40	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/29/21 14:40	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/29/21 14:40	1
Chloroethane	ND		0.50	0.44	ug/L			12/29/21 14:40	1
Chloroform	ND		0.50	0.28	ug/L			12/29/21 14:40	1
Chloromethane	ND		1.0	0.29	ug/L			12/29/21 14:40	1
Dibromomethane	ND		0.50	0.23	ug/L			12/29/21 14:40	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/29/21 14:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/21 14:40	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/29/21 14:40	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/29/21 14:40	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/29/21 14:40	1
2-Butanone	ND		5.0	3.0	ug/L			12/29/21 14:40	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/29/21 14:40	1
2-Hexanone	ND		6.0	4.3	ug/L			12/29/21 14:40	1
Naphthalene	ND		1.0	0.32	ug/L			12/29/21 14:40	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/29/21 14:40	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/29/21 14:40	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/29/21 14:40	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 14:40	1
Styrene	ND		0.50	0.28	ug/L			12/29/21 14:40	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 14:40	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/29/21 14:40	1
Trichloroethene	ND		0.50	0.29	ug/L			12/29/21 14:40	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/29/21 14:40	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/29/21 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*68 - 135*		*12/29/21 14:40*	*1*
4-Bromofluorobenzene (Surr)	*91*		*71 - 120*		*12/29/21 14:40*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*12/29/21 14:40*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/29/21 14:40*	*1*

Surrogate Summary

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

Job ID: 570-80045-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-135)	(71-120)	(80-120)	(80-120)
570-79789-A-6 MS	Matrix Spike	105	96	111	107
570-79789-A-6 MSD	Matrix Spike Duplicate	106	100	106	102
570-80045-1	W-MW30	104	93	102	103
570-80045-2	W-MW29	106	92	102	104
570-80045-3	W-MW28	111	91	104	103
570-80045-4	W-MW27	109	91	105	106
570-80045-5	W-MW32	102	93	104	101
570-80045-6	W-MW17	105	101	100	101
570-80045-7	W-MW22	107	93	104	101
570-80045-7 - RA	W-MW22	95	89	99	102
570-80045-8	W-MW11	104	90	103	106
570-80045-9	Trip Blank	103	91	105	103
LCS 570-204360/3	Lab Control Sample	97	99	103	102
LCS 570-204589/3	Lab Control Sample	108	101	102	101
LCS 570-204858/3	Lab Control Sample	95	98	100	103
LCSD 570-204360/4	Lab Control Sample Dup	97	98	102	99
LCSD 570-204589/4	Lab Control Sample Dup	106	101	101	100
LCSD 570-204858/4	Lab Control Sample Dup	96	98	101	102
MB 570-204360/6	Method Blank	107	90	108	98
MB 570-204589/7	Method Blank	112	89	105	107
MB 570-204858/6	Method Blank	96	88	99	104

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-80045-1	W-MW30	92	55	85
570-80045-2	W-MW29	106	75	103
570-80045-3	W-MW28	93	67	88
570-80045-4	W-MW27	95	66	96
570-80045-5	W-MW32	88	65	76
570-80045-6 - DL	W-MW17	134	77	104
570-80045-6	W-MW17	103	78	82
570-80045-7	W-MW22	99	65	91
570-80045-8	W-MW11	104	75	91
LCS 570-203706/2-A	Lab Control Sample	98	83	105
LCSD 570-203706/3-A	Lab Control Sample Dup	88	105	103
MB 570-203706/1-A	Method Blank	75	75	93

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: 570-80045-1

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

Lab Sample ID: MB 570-204360/6
Matrix: Water
Analysis Batch: 204360

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			12/29/21 13:14	1
Toluene	ND		0.50	0.15	ug/L			12/29/21 13:14	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/29/21 13:14	1
o-Xylene	ND		0.50	0.17	ug/L			12/29/21 13:14	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/29/21 13:14	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/29/21 13:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/29/21 13:14	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/29/21 13:14	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/29/21 13:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/29/21 13:14	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/29/21 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/29/21 13:14	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/29/21 13:14	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/29/21 13:14	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/29/21 13:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/29/21 13:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/29/21 13:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/29/21 13:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/29/21 13:14	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/29/21 13:14	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/29/21 13:14	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/29/21 13:14	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/29/21 13:14	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/29/21 13:14	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/29/21 13:14	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/29/21 13:14	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/29/21 13:14	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/29/21 13:14	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/29/21 13:14	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/29/21 13:14	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/29/21 13:14	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/29/21 13:14	1
Acetone	ND		8.0	4.0	ug/L			12/29/21 13:14	1
Bromobenzene	ND		0.50	0.26	ug/L			12/29/21 13:14	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/29/21 13:14	1
Bromoform	ND		0.50	0.39	ug/L			12/29/21 13:14	1
Bromomethane	ND		1.0	0.93	ug/L			12/29/21 13:14	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/29/21 13:14	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/29/21 13:14	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/29/21 13:14	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/29/21 13:14	1
Chloroethane	ND		0.50	0.44	ug/L			12/29/21 13:14	1
Chloroform	ND		0.50	0.28	ug/L			12/29/21 13:14	1
Chloromethane	ND		1.0	0.29	ug/L			12/29/21 13:14	1
Dibromomethane	ND		0.50	0.23	ug/L			12/29/21 13:14	1

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: MB 570-204360/6
Matrix: Water
Analysis Batch: 204360

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			12/29/21 13:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/21 13:14	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/29/21 13:14	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/29/21 13:14	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/29/21 13:14	1
2-Butanone	ND		5.0	3.0	ug/L			12/29/21 13:14	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/29/21 13:14	1
2-Hexanone	ND		6.0	4.3	ug/L			12/29/21 13:14	1
Naphthalene	ND		1.0	0.32	ug/L			12/29/21 13:14	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/29/21 13:14	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 13:14	1
Styrene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 13:14	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
Trichloroethene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/29/21 13:14	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/29/21 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 135*		*12/29/21 13:14*	*1*
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*12/29/21 13:14*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*12/29/21 13:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/29/21 13:14*	*1*

Lab Sample ID: LCS 570-204360/3
Matrix: Water
Analysis Batch: 204360

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	9.269		ug/L		93	80 - 120
Toluene	10.0	9.470		ug/L		95	80 - 120
Ethylbenzene	10.0	9.428		ug/L		94	80 - 120
o-Xylene	10.0	9.569		ug/L		96	80 - 122
m,p-Xylene	20.0	19.03		ug/L		95	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	8.521		ug/L		85	72 - 120
1,1-Dichloroethene	10.0	8.864		ug/L		89	72 - 120
1,2-Dichlorobenzene	10.0	8.851		ug/L		89	79 - 123
1,2-Dichloroethane	10.0	9.053		ug/L		91	71 - 137
Carbon tetrachloride	10.0	11.46		ug/L		115	69 - 145
Chlorobenzene	10.0	9.397		ug/L		94	80 - 120
1,2-Dibromoethane	10.0	9.299		ug/L		93	80 - 120
Hexachloro-1,3-butadiene	10.0	8.943		ug/L		89	76 - 141
Trichloroethene	10.0	9.097		ug/L		91	80 - 123
Vinyl chloride	10.0	10.76		ug/L		108	74 - 130

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: LCS 570-204360/3
Matrix: Water
Analysis Batch: 204360

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 135
4-Bromofluorobenzene (Surr)	99		71 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 570-204360/4
Matrix: Water
Analysis Batch: 204360

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	9.707		ug/L		97	80 - 120	5	20
Toluene			10.0	9.883		ug/L		99	80 - 120	4	20
Ethylbenzene			10.0	10.13		ug/L		101	80 - 120	7	20
o-Xylene			10.0	10.01		ug/L		100	80 - 122	4	20
m,p-Xylene			20.0	20.33		ug/L		102	80 - 122	7	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.769		ug/L		98	72 - 120	14	20
1,1-Dichloroethene			10.0	9.611		ug/L		96	72 - 120	8	20
1,2-Dichlorobenzene			10.0	9.514		ug/L		95	79 - 123	7	20
1,2-Dichloroethane			10.0	9.472		ug/L		95	71 - 137	5	20
Carbon tetrachloride			10.0	12.66		ug/L		127	69 - 145	10	20
Chlorobenzene			10.0	9.965		ug/L		100	80 - 120	6	20
1,2-Dibromoethane			10.0	10.01		ug/L		100	80 - 120	7	20
Hexachloro-1,3-butadiene			10.0	9.873		ug/L		99	76 - 141	10	23
Trichloroethene			10.0	9.766		ug/L		98	80 - 123	7	20
Vinyl chloride			10.0	11.51		ug/L		115	74 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 135
4-Bromofluorobenzene (Surr)	98		71 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 570-79789-A-6 MS
Matrix: Water
Analysis Batch: 204360

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		10.0	10.75		ug/L		107	61 - 143
Toluene	ND		10.0	10.59		ug/L		106	62 - 145
Ethylbenzene	ND		10.0	10.26		ug/L		103	59 - 145
o-Xylene	ND		10.0	10.19		ug/L		102	61 - 150
m,p-Xylene	ND		20.0	20.41		ug/L		102	61 - 150
Methyl-t-Butyl Ether (MTBE)	ND		10.0	10.34		ug/L		103	62 - 125
1,1-Dichloroethene	1.3		10.0	11.69		ug/L		103	48 - 146
1,2-Dichlorobenzene	ND		10.0	9.259		ug/L		93	63 - 146
1,2-Dichloroethane	0.54		10.0	11.15		ug/L		106	63 - 151
Carbon tetrachloride	ND		10.0	13.75		ug/L		137	46 - 167
Chlorobenzene	ND		10.0	10.14		ug/L		101	62 - 143

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: 570-79789-A-6 MS
Matrix: Water
Analysis Batch: 204360

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
1,2-Dibromoethane	ND		10.0	10.09		ug/L		101	69 - 139
Hexachloro-1,3-butadiene	ND		10.0	9.092		ug/L		91	56 - 163
Trichloroethene	ND		10.0	10.46		ug/L		105	35 - 163
Vinyl chloride	ND		10.0	13.17		ug/L		132	75 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 135*
4-Bromofluorobenzene (Surr)	*96*		*71 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 570-79789-A-6 MSD
Matrix: Water
Analysis Batch: 204360

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		10.0	10.76		ug/L		108	61 - 143	0	20
Toluene	ND		10.0	10.60		ug/L		106	62 - 145	0	21
Ethylbenzene	ND		10.0	10.61		ug/L		106	59 - 145	3	23
o-Xylene	ND		10.0	10.61		ug/L		106	61 - 150	4	20
m,p-Xylene	ND		20.0	21.09		ug/L		105	61 - 150	3	23
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.928		ug/L		99	62 - 125	4	20
1,1-Dichloroethene	1.3		10.0	11.59		ug/L		102	48 - 146	1	28
1,2-Dichlorobenzene	ND		10.0	9.788		ug/L		98	63 - 146	6	20
1,2-Dichloroethane	0.54		10.0	11.24		ug/L		107	63 - 151	1	20
Carbon tetrachloride	ND		10.0	13.65		ug/L		137	46 - 167	1	29
Chlorobenzene	ND		10.0	10.56		ug/L		106	62 - 143	4	20
1,2-Dibromoethane	ND		10.0	10.48		ug/L		105	69 - 139	4	20
Hexachloro-1,3-butadiene	ND		10.0	9.724		ug/L		97	56 - 163	7	34
Trichloroethene	ND		10.0	10.30		ug/L		103	35 - 163	2	21
Vinyl chloride	ND		10.0	13.55		ug/L		135	75 - 139	3	20

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

Lab Sample ID: MB 570-204589/7
Matrix: Water
Analysis Batch: 204589

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			12/30/21 00:18	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 00:18	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 00:18	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 00:18	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 00:18	1

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: MB 570-204589/7
Matrix: Water
Analysis Batch: 204589

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 00:18	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 00:18	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 00:18	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 00:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 00:18	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 00:18	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 00:18	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 00:18	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 00:18	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 00:18	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 00:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 00:18	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 00:18	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 00:18	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 00:18	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/30/21 00:18	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 00:18	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 00:18	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 00:18	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 00:18	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 00:18	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 00:18	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 00:18	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 00:18	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 00:18	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 00:18	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 00:18	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 00:18	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 00:18	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 00:18	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 00:18	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 00:18	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 00:18	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 00:18	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 00:18	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 00:18	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 00:18	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 00:18	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 00:18	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 00:18	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 00:18	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 00:18	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 00:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 00:18	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 00:18	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 00:18	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 00:18	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 00:18	1

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: MB 570-204589/7
Matrix: Water
Analysis Batch: 204589

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 00:18	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 00:18	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 00:18	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 00:18	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 00:18	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 00:18	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 00:18	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 00:18	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 00:18	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 00:18	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 00:18	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 00:18	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 00:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*68 - 135*		*12/30/21 00:18*	*1*
4-Bromofluorobenzene (Surr)	*89*		*71 - 120*		*12/30/21 00:18*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*12/30/21 00:18*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*12/30/21 00:18*	*1*

Lab Sample ID: LCS 570-204589/3
Matrix: Water
Analysis Batch: 204589

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	11.15		ug/L		111	80 - 120
Toluene	10.0	10.77		ug/L		108	80 - 120
Ethylbenzene	10.0	11.04		ug/L		110	80 - 120
o-Xylene	10.0	10.85		ug/L		109	80 - 122
m,p-Xylene	20.0	22.87		ug/L		114	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	10.14		ug/L		101	72 - 120
1,1-Dichloroethene	10.0	11.20		ug/L		112	72 - 120
1,2-Dichlorobenzene	10.0	10.01		ug/L		100	79 - 123
1,2-Dichloroethane	10.0	10.71		ug/L		107	71 - 137
Carbon tetrachloride	10.0	14.52		ug/L		145	69 - 145
Chlorobenzene	10.0	10.45		ug/L		104	80 - 120
1,2-Dibromoethane	10.0	10.99		ug/L		110	80 - 120
Hexachloro-1,3-butadiene	10.0	10.54		ug/L		105	76 - 141
Trichloroethene	10.0	10.68		ug/L		107	80 - 123
Vinyl chloride	10.0	12.12		ug/L		121	74 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*108*		*68 - 135*
4-Bromofluorobenzene (Surr)	*101*		*71 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*101*		*80 - 120*

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: LCSD 570-204589/4
Matrix: Water
Analysis Batch: 204589

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			10.0	10.44		ug/L		104	80 - 120	7	20
Toluene			10.0	10.28		ug/L		103	80 - 120	5	20
Ethylbenzene			10.0	10.52		ug/L		105	80 - 120	5	20
o-Xylene			10.0	10.35		ug/L		103	80 - 122	5	20
m,p-Xylene			20.0	21.48		ug/L		107	80 - 122	6	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.745		ug/L		97	72 - 120	4	20
1,1-Dichloroethene			10.0	10.47		ug/L		105	72 - 120	7	20
1,2-Dichlorobenzene			10.0	9.911		ug/L		99	79 - 123	1	20
1,2-Dichloroethane			10.0	10.24		ug/L		102	71 - 137	4	20
Carbon tetrachloride			10.0	13.59		ug/L		136	69 - 145	7	20
Chlorobenzene			10.0	10.25		ug/L		102	80 - 120	2	20
1,2-Dibromoethane			10.0	10.36		ug/L		104	80 - 120	6	20
Hexachloro-1,3-butadiene			10.0	9.951		ug/L		100	76 - 141	6	23
Trichloroethene			10.0	9.812		ug/L		98	80 - 123	8	20
Vinyl chloride			10.0	11.59		ug/L		116	74 - 130	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 135*
4-Bromofluorobenzene (Surr)	*101*		*71 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-204858/6
Matrix: Water
Analysis Batch: 204858

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	0.18	ug/L			12/30/21 23:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*		*12/30/21 23:00*	*1*
4-Bromofluorobenzene (Surr)	*88*		*71 - 120*		*12/30/21 23:00*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*12/30/21 23:00*	*1*
Toluene-d8 (Surr)	*104*		*80 - 120*		*12/30/21 23:00*	*1*

Lab Sample ID: LCS 570-204858/3
Matrix: Water
Analysis Batch: 204858

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	10.72		ug/L		107	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 135*
4-Bromofluorobenzene (Surr)	*98*		*71 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: LCSD 570-204858/4
Matrix: Water
Analysis Batch: 204858

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	9.928		ug/L		99	80 - 120	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*
4-Bromofluorobenzene (Surr)	*98*		*71 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 570-203706/1-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/27/21 08:13	12/27/21 19:03	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/27/21 08:13	12/27/21 19:03	1
Anthracene	ND		0.20	0.059	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/27/21 08:13	12/27/21 19:03	1
Chrysene	ND		0.20	0.059	ug/L		12/27/21 08:13	12/27/21 19:03	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/27/21 08:13	12/27/21 19:03	1
Fluoranthene	ND		0.20	0.068	ug/L		12/27/21 08:13	12/27/21 19:03	1
Fluorene	ND		0.20	0.075	ug/L		12/27/21 08:13	12/27/21 19:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/27/21 08:13	12/27/21 19:03	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/27/21 08:13	12/27/21 19:03	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/27/21 08:13	12/27/21 19:03	1
Naphthalene	ND		0.20	0.083	ug/L		12/27/21 08:13	12/27/21 19:03	1
Phenanthrene	ND		0.20	0.073	ug/L		12/27/21 08:13	12/27/21 19:03	1
Pyrene	ND		0.20	0.066	ug/L		12/27/21 08:13	12/27/21 19:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*33 - 144*	*12/27/21 08:13*	*12/27/21 19:03*	*1*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*12/27/21 08:13*	*12/27/21 19:03*	*1*
p-Terphenyl-d14 (Surr)	*93*		*23 - 160*	*12/27/21 08:13*	*12/27/21 19:03*	*1*

Lab Sample ID: LCS 570-203706/2-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203706

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene			2.00	1.574		ug/L		79	55 - 121		
Acenaphthylene			2.00	1.483		ug/L		74	33 - 145		
Anthracene			2.00	1.807		ug/L		90	27 - 133		
Benzo[a]anthracene			2.00	1.756		ug/L		88	33 - 143		

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: LCS 570-203706/2-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203706

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzo[a]pyrene			2.00	1.477		ug/L		74	17 - 163		
Benzo[b]fluoranthene			2.00	1.414		ug/L		71	24 - 159		
Benzo[g,h,i]perylene			2.00	1.019		ug/L		51	25 - 157		
Benzo[k]fluoranthene			2.00	1.467		ug/L		73	24 - 159		
Chrysene			2.00	1.787		ug/L		89	17 - 168		
Dibenz(a,h)anthracene			2.00	1.067		ug/L		53	25 - 175		
Fluoranthene			2.00	1.722		ug/L		86	26 - 137		
Fluorene			2.00	2.144		ug/L		107	59 - 121		
Indeno[1,2,3-cd]pyrene			2.00	1.021		ug/L		51	25 - 175		
1-Methylnaphthalene			2.00	1.335		ug/L		67	20 - 140		
2-Methylnaphthalene			2.00	1.335		ug/L		67	21 - 140		
Naphthalene			2.00	1.199		ug/L		60	21 - 133		
Phenanthrene			2.00	1.617		ug/L		81	54 - 120		
Pyrene			2.00	1.982		ug/L		99	45 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*98*		*33 - 144*
Nitrobenzene-d5 (Surr)	*83*		*28 - 139*
p-Terphenyl-d14 (Surr)	*105*		*23 - 160*

Lab Sample ID: LCSD 570-203706/3-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203706

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			2.00	1.661		ug/L		83	55 - 121	5	25
Acenaphthylene			2.00	1.911		ug/L		96	33 - 145	25	25
Anthracene			2.00	1.811		ug/L		91	27 - 133	0	25
Benzo[a]anthracene			2.00	1.695		ug/L		85	33 - 143	4	25
Benzo[a]pyrene			2.00	1.738		ug/L		87	17 - 163	16	25
Benzo[b]fluoranthene			2.00	1.503		ug/L		75	24 - 159	6	25
Benzo[g,h,i]perylene			2.00	1.057		ug/L		53	25 - 157	4	25
Benzo[k]fluoranthene			2.00	1.575		ug/L		79	24 - 159	7	25
Chrysene			2.00	1.715		ug/L		86	17 - 168	4	25
Dibenz(a,h)anthracene			2.00	1.052		ug/L		53	25 - 175	1	25
Fluoranthene			2.00	1.745		ug/L		87	26 - 137	1	25
Fluorene			2.00	1.871		ug/L		94	59 - 121	14	25
Indeno[1,2,3-cd]pyrene			2.00	1.027		ug/L		51	25 - 175	1	25
1-Methylnaphthalene			2.00	1.564		ug/L		78	20 - 140	16	25
2-Methylnaphthalene			2.00	1.597		ug/L		80	21 - 140	18	25
Naphthalene			2.00	1.476		ug/L		74	21 - 133	21	25
Phenanthrene			2.00	1.656		ug/L		83	54 - 120	2	25
Pyrene			2.00	1.916		ug/L		96	45 - 129	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*
Nitrobenzene-d5 (Surr)	*105*		*28 - 139*
p-Terphenyl-d14 (Surr)	*103*		*23 - 160*

QC Sample Results

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

Job ID: 570-80045-1

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-208314/1-A
Matrix: Water
Analysis Batch: 208550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208314

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		01/19/22 14:03	01/20/22 12:48	1

Lab Sample ID: LCS 570-208314/2-A
Matrix: Water
Analysis Batch: 208550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208314

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.008782		mg/L		88	85 - 115

Lab Sample ID: LCSD 570-208314/3-A
Matrix: Water
Analysis Batch: 208550

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208314

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.008877		mg/L		89	85 - 115	1	10

Lab Sample ID: 570-80692-G-1-E MS
Matrix: Water
Analysis Batch: 208550

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 208314

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND		0.0100	0.008089		mg/L		81	70 - 130

Lab Sample ID: 570-80692-G-1-F MSD
Matrix: Water
Analysis Batch: 208550

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 208314

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND		0.0100	0.008091		mg/L		81	70 - 130	0	10

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-664411/1-A
Matrix: Water
Analysis Batch: 664516

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 664411

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		20.0	8.90	ug/L		01/13/22 12:22	01/14/22 18:05	1
Barium	ND		10.0	2.20	ug/L		01/13/22 12:22	01/14/22 18:05	1
Cadmium	ND		5.00	0.940	ug/L		01/13/22 12:22	01/14/22 18:05	1
Chromium	ND		5.00	2.50	ug/L		01/13/22 12:22	01/14/22 18:05	1
Lead	ND		5.00	3.80	ug/L		01/13/22 12:22	01/14/22 18:05	1
Selenium	ND		20.0	8.70	ug/L		01/13/22 12:22	01/14/22 18:05	1
Silver	ND		10.0	5.00	ug/L		01/13/22 12:22	01/14/22 18:05	1

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: LCS 440-664411/2-A
Matrix: Water
Analysis Batch: 664516

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 664411

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	500	488.7		ug/L		98	80 - 120
Barium	500	494.8		ug/L		99	80 - 120
Cadmium	500	499.4		ug/L		100	80 - 120
Chromium	500	508.3		ug/L		102	80 - 120
Lead	500	497.0		ug/L		99	80 - 120
Selenium	500	462.0		ug/L		92	80 - 120
Silver	250	247.3		ug/L		99	80 - 120

Lab Sample ID: 570-79839-J-1-B MS
Matrix: Water
Analysis Batch: 664516

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 664411

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		500	522.3		ug/L		104	75 - 125
Barium	58.1		500	549.1		ug/L		98	75 - 125
Cadmium	1.40	J	500	490.1		ug/L		98	75 - 125
Chromium	ND		500	512.6		ug/L		103	75 - 125
Lead	ND		500	487.6		ug/L		98	75 - 125
Selenium	9.40	J	500	497.8		ug/L		98	75 - 125
Silver	ND	F2 F1	250	68.00	F1	ug/L		27	75 - 125

Lab Sample ID: 570-79839-J-1-C MSD
Matrix: Water
Analysis Batch: 664516

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 664411

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		500	522.2		ug/L		104	75 - 125	0	20
Barium	58.1		500	548.3		ug/L		98	75 - 125	0	20
Cadmium	1.40	J	500	484.0		ug/L		97	75 - 125	1	20
Chromium	ND		500	505.2		ug/L		101	75 - 125	1	20
Lead	ND		500	479.1		ug/L		96	75 - 125	2	20
Selenium	9.40	J	500	501.4		ug/L		98	75 - 125	1	20
Silver	ND	F2 F1	250	144.9	F2 F1	ug/L		58	75 - 125	72	20

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

Lab Sample ID: MB 570-206057/1
Matrix: Water
Analysis Batch: 206057

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			12/29/21 20:00	1

Lab Sample ID: LCS 570-206057/2
Matrix: Water
Analysis Batch: 206057

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	100	102.5		mg/L		103	84 - 108

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: LCSD 570-206057/3
Matrix: Water
Analysis Batch: 206057

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	2	10

Lab Sample ID: 570-79994-F-3 DU
Matrix: Water
Analysis Batch: 206057

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	2580			2560		mg/L				0.6	10

Lab Sample ID: 570-79995-A-2 DU
Matrix: Water
Analysis Batch: 206057

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	1280			1315		mg/L				3	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-205992/1
Matrix: Water
Analysis Batch: 205992

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.596	mg/L			01/06/22 15:03	1

Lab Sample ID: LCS 570-205992/2
Matrix: Water
Analysis Batch: 205992

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			100	103.1		mg/L		103	80 - 120		

Lab Sample ID: LCSD 570-205992/3
Matrix: Water
Analysis Batch: 205992

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	103.3		mg/L		103	80 - 120	0	10

Lab Sample ID: 570-78921-A-3 MS
Matrix: Water
Analysis Batch: 205992

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	81.8		100	182.8		mg/L		101	75 - 125		

QC Sample Results

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

Job ID: 570-80045-1

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

Lab Sample ID: 570-78921-A-3 MSD
Matrix: Water
Analysis Batch: 205992

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	81.8		100	185.5		mg/L		104	75 - 125	1	15

Lab Sample ID: 570-78921-A-3 DU
Matrix: Water
Analysis Batch: 205992

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	81.8			82.15		mg/L				0.5	15

QC Association Summary

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

Job ID: 570-80045-1

GC/MS VOA

Analysis Batch: 204360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-9	Trip Blank	Total/NA	Water	8260B	
MB 570-204360/6	Method Blank	Total/NA	Water	8260B	
LCS 570-204360/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-204360/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-79789-A-6 MS	Matrix Spike	Total/NA	Water	8260B	
570-79789-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 204589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	8260B	
570-80045-2	W-MW29	Total/NA	Water	8260B	
570-80045-3	W-MW28	Total/NA	Water	8260B	
570-80045-4	W-MW27	Total/NA	Water	8260B	
570-80045-5	W-MW32	Total/NA	Water	8260B	
570-80045-6	W-MW17	Total/NA	Water	8260B	
570-80045-7	W-MW22	Total/NA	Water	8260B	
570-80045-8	W-MW11	Total/NA	Water	8260B	
MB 570-204589/7	Method Blank	Total/NA	Water	8260B	
LCS 570-204589/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-204589/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 204858

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-7 - RA	W-MW22	Total/NA	Water	8260B	
MB 570-204858/6	Method Blank	Total/NA	Water	8260B	
LCS 570-204858/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-204858/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 203706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	3510C	
570-80045-2	W-MW29	Total/NA	Water	3510C	
570-80045-3	W-MW28	Total/NA	Water	3510C	
570-80045-4	W-MW27	Total/NA	Water	3510C	
570-80045-5	W-MW32	Total/NA	Water	3510C	
570-80045-6 - DL	W-MW17	Total/NA	Water	3510C	
570-80045-6	W-MW17	Total/NA	Water	3510C	
570-80045-7	W-MW22	Total/NA	Water	3510C	
570-80045-8	W-MW11	Total/NA	Water	3510C	
MB 570-203706/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-203706/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-203706/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 203787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-203706/1-A	Method Blank	Total/NA	Water	8270C SIM	203706
LCS 570-203706/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	203706
LCSD 570-203706/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	203706

QC Association Summary

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

Job ID: 570-80045-1

GC/MS Semi VOA

Analysis Batch: 204419

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	8270C SIM	203706

Analysis Batch: 204705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-2	W-MW29	Total/NA	Water	8270C SIM	203706
570-80045-3	W-MW28	Total/NA	Water	8270C SIM	203706
570-80045-4	W-MW27	Total/NA	Water	8270C SIM	203706
570-80045-5	W-MW32	Total/NA	Water	8270C SIM	203706
570-80045-6	W-MW17	Total/NA	Water	8270C SIM	203706
570-80045-6 - DL	W-MW17	Total/NA	Water	8270C SIM	203706
570-80045-7	W-MW22	Total/NA	Water	8270C SIM	203706
570-80045-8	W-MW11	Total/NA	Water	8270C SIM	203706

Metals

Prep Batch: 208314

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	245.1	
570-80045-2	W-MW29	Total/NA	Water	245.1	
570-80045-3	W-MW28	Total/NA	Water	245.1	
570-80045-4	W-MW27	Total/NA	Water	245.1	
570-80045-5	W-MW32	Total/NA	Water	245.1	
570-80045-6	W-MW17	Total/NA	Water	245.1	
570-80045-7	W-MW22	Total/NA	Water	245.1	
570-80045-8	W-MW11	Total/NA	Water	245.1	
MB 570-208314/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-208314/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-208314/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-80692-G-1-E MS	Matrix Spike	Total/NA	Water	245.1	
570-80692-G-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 208550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	245.1	208314
570-80045-2	W-MW29	Total/NA	Water	245.1	208314
570-80045-3	W-MW28	Total/NA	Water	245.1	208314
570-80045-4	W-MW27	Total/NA	Water	245.1	208314
570-80045-5	W-MW32	Total/NA	Water	245.1	208314
570-80045-6	W-MW17	Total/NA	Water	245.1	208314
570-80045-7	W-MW22	Total/NA	Water	245.1	208314
570-80045-8	W-MW11	Total/NA	Water	245.1	208314
MB 570-208314/1-A	Method Blank	Total/NA	Water	245.1	208314
LCS 570-208314/2-A	Lab Control Sample	Total/NA	Water	245.1	208314
LCSD 570-208314/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	208314
570-80692-G-1-E MS	Matrix Spike	Total/NA	Water	245.1	208314
570-80692-G-1-F MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	208314

Prep Batch: 664411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total Recoverable	Water	3005A	
570-80045-2	W-MW29	Total Recoverable	Water	3005A	

QC Association Summary

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

Job ID: 570-80045-1

Metals (Continued)

Prep Batch: 664411 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-3	W-MW28	Total Recoverable	Water	3005A	
570-80045-4	W-MW27	Total Recoverable	Water	3005A	
570-80045-5	W-MW32	Total Recoverable	Water	3005A	
570-80045-6	W-MW17	Total Recoverable	Water	3005A	
570-80045-7	W-MW22	Total Recoverable	Water	3005A	
570-80045-8	W-MW11	Total Recoverable	Water	3005A	
MB 440-664411/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-664411/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
570-79839-J-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-79839-J-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 664516

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 440-664411/1-A	Method Blank	Total Recoverable	Water	6010B	664411
LCS 440-664411/2-A	Lab Control Sample	Total Recoverable	Water	6010B	664411
570-79839-J-1-B MS	Matrix Spike	Total Recoverable	Water	6010B	664411
570-79839-J-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	664411

Analysis Batch: 664545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total Recoverable	Water	6010B	664411
570-80045-2	W-MW29	Total Recoverable	Water	6010B	664411
570-80045-3	W-MW28	Total Recoverable	Water	6010B	664411
570-80045-4	W-MW27	Total Recoverable	Water	6010B	664411
570-80045-5	W-MW32	Total Recoverable	Water	6010B	664411
570-80045-6	W-MW17	Total Recoverable	Water	6010B	664411
570-80045-7	W-MW22	Total Recoverable	Water	6010B	664411
570-80045-8	W-MW11	Total Recoverable	Water	6010B	664411

General Chemistry

Analysis Batch: 205992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	SM 4500 Cl- C	
570-80045-2	W-MW29	Total/NA	Water	SM 4500 Cl- C	
570-80045-3	W-MW28	Total/NA	Water	SM 4500 Cl- C	
570-80045-4	W-MW27	Total/NA	Water	SM 4500 Cl- C	
570-80045-5	W-MW32	Total/NA	Water	SM 4500 Cl- C	
570-80045-6	W-MW17	Total/NA	Water	SM 4500 Cl- C	
570-80045-7	W-MW22	Total/NA	Water	SM 4500 Cl- C	
570-80045-8	W-MW11	Total/NA	Water	SM 4500 Cl- C	
MB 570-205992/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-205992/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-205992/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-78921-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-78921-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-78921-A-3 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 206057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-1	W-MW30	Total/NA	Water	SM 2540C	

QC Association Summary

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

Job ID: 570-80045-1

General Chemistry (Continued)

Analysis Batch: 206057 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80045-2	W-MW29	Total/NA	Water	SM 2540C	
570-80045-3	W-MW28	Total/NA	Water	SM 2540C	
570-80045-4	W-MW27	Total/NA	Water	SM 2540C	
570-80045-5	W-MW32	Total/NA	Water	SM 2540C	
570-80045-6	W-MW17	Total/NA	Water	SM 2540C	
570-80045-7	W-MW22	Total/NA	Water	SM 2540C	
570-80045-8	W-MW11	Total/NA	Water	SM 2540C	
MB 570-206057/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-206057/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-206057/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-79994-F-3 DU	Duplicate	Total/NA	Water	SM 2540C	
570-79995-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Lab Chronicle

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

Job ID: 570-80045-1

Client Sample ID: W-MW30

Date Collected: 12/21/21 07:36
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 05:03	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1002.1 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204419	12/29/21 18:49	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:08	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:25	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW29

Date Collected: 12/21/21 08:13
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 05:32	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			998.6 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 10:49	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:10	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:27	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW28

Date Collected: 12/21/21 09:03
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 06:00	N1A	ECL 2
	Instrument ID: GCMSWW									

Lab Chronicle

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

Job ID: 570-80045-1

Client Sample ID: W-MW28
Date Collected: 12/21/21 09:03
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			999.6 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 11:08	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:12	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:30	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW27
Date Collected: 12/21/21 09:49
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 06:29	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			998.3 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 11:28	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:17	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:32	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW32
Date Collected: 12/21/21 10:43
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 06:57	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1005 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 11:47	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									

Lab Chronicle

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

Job ID: 570-80045-1

Client Sample ID: W-MW32
Date Collected: 12/21/21 10:43
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:19	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:40	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW17
Date Collected: 12/21/21 11:25
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		20	20 mL	20 mL	204589	12/30/21 07:26	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1049.2 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 12:07	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	3510C	DL		1049.2 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM	DL	10			204705	12/30/21 14:52	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:21	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:42	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW22
Date Collected: 12/21/21 12:17
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B	RA	1	20 mL	20 mL	204858	12/31/21 02:28	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 07:54	N1A	ECL 2
	Instrument ID: GCMSWW									

Lab Chronicle

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

Job ID: 570-80045-1

Client Sample ID: W-MW22
Date Collected: 12/21/21 12:17
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			1055 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 12:26	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:23	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:44	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW11
Date Collected: 12/21/21 13:10
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204589	12/30/21 08:23	N1A	ECL 2
	Instrument ID: GCMSWW									
Total/NA	Prep	3510C			1046.8 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 12:46	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208314	01/19/22 14:03	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208550	01/20/22 14:25	VWJ7	ECL 4
	Instrument ID: HG9									
Total Recoverable	Prep	3005A			25 mL	25 mL	664411	01/13/22 12:22		IRV 2
Total Recoverable	Analysis	6010B		1			664545	01/15/22 01:47	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: Trip Blank
Date Collected: 12/21/21 00:00
Date Received: 12/23/21 11:10

Lab Sample ID: 570-80045-9
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204360	12/29/21 14:40	P3GT	ECL 2
	Instrument ID: GCMSUU									

Lab Chronicle

Client: Cardno, Inc
Job ID: 570-80045-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494
ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-80045-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience

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

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

Laboratory: Eurofins Calscience Tustin

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

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

Method Summary

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

Job ID: 570-80045-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
245.1	Mercury (CVAA)	EPA	ECL 4
6010B	Metals (ICP)	SW846	IRV 2
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 1
SM 4500 Cl- C	Chloride, Total	SM	ECL 1
245.1	Preparation, Mercury	EPA	ECL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	IRV 2
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494
ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

de Guia, Cecile

From: James Anderson <james.anderson@cardno.com>
Sent: Thursday, January 27, 2022 4:51 PM
To: de Guia, Cecile
Cc: Gonzalez, Homero
Subject: RE: ExxonMobil Gladiola Station

EXTERNAL EMAIL*

Cecile,

We've plenty of historical data for alkalinity, so please cancel do not proceed with the analyses.

Note in the report about the hold time issue.

Thank you

James Anderson
SENIOR PROGRAM MANAGER/BUSINESS UNIT LEADER A&R SOUTH
GLOBAL SENIOR PRINCIPAL - ASSESSMENT & REMEDIATION (D&D)
CARDNO

Direct +1 805 644 4157 Mobile +1 805 701 1420 Fax +1 805 644 5610
Address 4572 Telephone Road #916, Ventura, California 93003
Email james.anderson@cardno.com Web www.cardno.com

From: de Guia, Cecile <Cecile.deGuia@eurofinset.com>
Sent: Thursday, January 27, 2022 1:59 PM
To: James Anderson <james.anderson@cardno.com>
Subject: ExxonMobil Gladiola Station

Good afternoon James,
I just found out and sad to break the news that Hold Time for Alkalinity samples were missed for Gladiola Station site. There were total of 12 samples. Mainly due to instrument broke down and the lab was over capacity with stormwater samples in December.
Please advise if you still want us to proceed with the analysis or cancel.
I apologize for the inconvenience this may have caused.

Thank you.

Best regards,
Cecile de Guia
Project Manager

Eurofins Calscience
7440 Lincoln Way
Garden Grove, Ca 92841
USA
P: +1 714 895 5494
F: +1 714 894 7501

Cecile.deGuia@eurofinset.com
www.EurofinsUS.com/Calscience

80045

eurofins | Calscience

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

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

ExxonMobil Engr: Marla Madden

CHAIN OF CUSTODY RECORD

DATE: 12/21/21
PAGE: 1 OF 1

LABORATORY CLIENT: Cardno
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@cardno.com

GLOBAL ID # / COELT LOG CODE:
PROJECT CONTACT: James Anderson
SAMPLER(S): JOSE VASQUEZ

EMES Sub Agreement #A2604415
LAB USE ONLY:
COOLER RECEIPT: Temp = _____ °C

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

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

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W-MW30	MW30	12/21/21	07:36	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
2	W-MW29	MW29	12/21/21	08:13	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
3	W-MW28	MW28	12/21/21	09:03	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
4	W-MW27	MW27	12/21/21	09:49	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
5	W-MW32	MW32	12/21/21	10:43	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass 250mL Plastic with HNO3, 1L Plastic
6	W-MW17	MW17	12/21/21	11:25	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
7	W-MW22	MW22	12/21/21	12:17	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
8	W-MW11	MW11	12/21/21	13:10	W	7	X	X	X	X	X	3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 1L Plastic
9	TRIP BLANK	QCT13	12/21/21	—	W	4	X					3 vials with HCL
10												
11												
12												

570-80045 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature) EC1	Date, & Time: 12/22/21 11:10
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

COC\COC

1.4/2.3 , 1.6/2.5 SCS

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone 714-895-5494 Fax 714-894-7501

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: de Guia, Cecile	Carrier Tracking No(s)	COC No: 570-149759 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Cecile deGuia@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 570-80045-1
Address: 2841 Dow Avenue ,	Due Date Requested: 1/6/2022			
City: Tustin	TAT Requested (days)			
State Zip: CA, 92780				
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	PO #			
Email	WO #			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site	SSOW#			

Analysis Requested

Preservation Codes.

A HCL	M Hexane
B - NaOH	N None
C - Zn Acetate	O AsNaO2
D - Nitric Acid	P - Na2O4S
E NaHSO4	Q Na2SO3
F MeOH	R Na2S2O3
G Amchlor	S H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I Ice	U Acetone
J DI Water	V MCAA
K EDTA	W pH 4-5
L - EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3005A (MOD) Custom Pick List	245.1/245.1_Prep Mercury	Total Number of containers	Special Instructions/Note
			Preservation Code							
W-MW30 (570-80045-1)	12/22/21	07 36 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW29 (570-80045-2)	12/22/21	08 13 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW28 (570-80045-3)	12/22/21	09 03 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW27 (570-80045-4)	12/22/21	09 49 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW32 (570-80045-5)	12/22/21	10 43 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW17 (570-80045-6)	12/22/21	11.25 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW22 (570-80045-7)	12/22/21	12 17 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW11 (570-80045-8)	12/22/21	13 10 Mountain		Water			X	X	1	Follow QAPP 0148

Note Since laboratory accreditations are subject to change Eurofins Southwest places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Southwest laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Southwest attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Southwest.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements: IR90 2.6/2.1

Empty Kit Relinquished by:	Date	Time	Method of Shipment

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		1-8-2022	ECI			
2				Olga Ornelas	1/8/22 1230	ECT
3						

Custody Seals Intact | Custody Seal No. | Temperature(s) °C and Other Remarks

Eurofins Calscience
7440 Lincoln Way
Garden Grove CA 92841
Phone 714-895-5494 Fax: 714-894-7501

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler:	Lab PM: de Guia, Cecile	Carrier Tracking No(s):	COC No.: 570-153417 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Cecile deGuia@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 570-80045-1
Address: 2841 Dow Avenue ,	Due Date Requested: 1/6/2022			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	PO #:			
Email:	WO #:			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M Hexane
B - NaOH	N None
C Zn Acetate	O AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R Na2S2O3
G - Amchlor	S - H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I - Ice	U Acetone
J - DI Water	V - MCAA
K - EDTA	W pH 4-5
L - EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3005A (MOD) Custom Pick List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
W-MW30 (570-80045-1)	12/22/21	07 36 Mountain		Water			X	1	Follow QAPP 0148
W-MW29 (570-80045-2)	12/22/21	08 13 Mountain		Water			X	1	Follow QAPP 0148
W-MW28 (570-80045-3)	12/22/21	09 03 Mountain		Water			X	1	Follow QAPP 0148
W-MW27 (570-80045-4)	12/22/21	09 49 Mountain		Water			X	1	Follow QAPP 0148
W-MW32 (570-80045-5)	12/22/21	10 43 Mountain		Water			X	1	Follow QAPP 0148
W-MW17 (570-80045-6)	12/22/21	11 25 Mountain		Water			X	1	Follow QAPP 0148
W-MW22 (570-80045-7)	12/22/21	12 17 Mountain		Water			X	1	Follow QAPP 0148
W-MW11 (570-80045-8)	12/22/21	13 10 Mountain		Water			X	1	Follow QAPP 0148

Note: Since laboratory accreditations are subject to change Eurofins Environment Testing Southwest, LLC places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Environment Testing Southwest, LLC laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Environment Testing Southwest, LLC attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southwest, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements IR-90 6.2/5.7

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		01/27/22 1412	EC			
2				Olga Olmelas	01/27/22 1412	EOT
3						

Custody Seals Intact: Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

12/6/2022

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-80045-1

Login Number: 80045
List Number: 1
Creator: Cruise, Noel

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	False	Containers recd broken. Sufficient sample in remaining containers for analysis.
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	

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-80045-1

Login Number: 80045
List Number: 2
Creator: Ornelas, Olga

List Source: Eurofins Calscience Tustin
List Creation: 01/08/22 12:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
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?	N/A	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 570-80051-1
Client Project/Site: ExxonMobil Gladiola Station/3612

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

Attn: Mr. James Anderson

Authorized for release by:
1/28/2022 1:51:23 PM

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

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

Laboratory Job ID: 570-80051-1

Table of Contents

Sample Summary

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

Job ID: 570-80051-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-80051-1	W-MW10	Water	12/22/21 07:45	12/23/21 10:00
570-80051-2	W-MW31	Water	12/22/21 08:27	12/23/21 10:00
570-80051-3	W-MW6	Water	12/22/21 09:39	12/23/21 10:00
570-80051-4	W-MW3	Water	12/22/21 10:43	12/23/21 10:00
570-80051-5	TRIP BLANK	Water	12/22/21 00:00	12/23/21 10:00

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-80051-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

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

Metals

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

Glossary

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

Case Narrative

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

Job ID: 570-80051-1

Job ID: 570-80051-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-80051-1

Comments
No additional comments.

Receipt
The samples were received on 12/23/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.8º C.

GC/MS VOA
Method 8260B: The following analyte recovered outside control limits for the LCSD associated with analytical batch 570-204360: 2,2-Dichloropropane. 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: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for the following sample associated with analytical batch 570-204360 were outside control limits: (570-79789-A-6). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-204658. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-205013. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

Method 8260B: One of the analytical standards used to prepare the continuing calibration verification (CCV) standard in analytical batch 570-205013 is past the expiration date for that one standard. This only affects a subset of the analytes. Samples have been quantitated using a calibration that was performed within the standard expiration date.

(CCVIS 570-205013/2)

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

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

Metals
Method 245.1: The following samples were analyzed outside of the analytical holding time due to errors in Intra-laboratory sample routing

W-MW10 (570-80051-1), W-MW31 (570-80051-2), W-MW6 (570-80051-3) and W-MW3 (570-80051-4)

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries of Silver for preparation batch 440-664578 and analytical batch 440-664788 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
Method 2320B: The holding time was missed for the following samples due to sample scheduling error. Client was notified and advised the laboratory not to proceed with the analysis. Please refer to the attached email.

Case Narrative

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

Job ID: 570-80051-1

Job ID: 570-80051-1 (Continued)

Laboratory: Eurofins Calscience (Continued)

W-MW31 (570-80051-2), W-MW6 (570-80051-3) and W-MW3 (570-80051-4)

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 570-203706. The laboratory control sample (LCS) was performed in duplicate (LCSD) to provide precision data for this batch.

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: 570-80051-1

Client Sample ID: W-MW10 — Lab Sample ID: 570-80051-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.000325	H	0.000248	0.000124	mg/L	1		245.1	Total/NA
Arsenic	57.5		20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	615		10.0	2.20	ug/L	1		6010B	Total Recoverable
Cadmium	1.10	J	5.00	0.940	ug/L	1		6010B	Total Recoverable
Chromium	8.20		5.00	2.50	ug/L	1		6010B	Total Recoverable
Lead	10.2		5.00	3.80	ug/L	1		6010B	Total Recoverable
Selenium	13.7	J	20.0	8.70	ug/L	1		6010B	Total Recoverable

Client Sample ID: W-MW31 — Lab Sample ID: 570-80051-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
sec-Butylbenzene	0.82		0.50	0.34	ug/L	1		8260B	Total/NA
Arsenic	17.9	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	382		10.0	2.20	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	770		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	91.2		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: W-MW6 — Lab Sample ID: 570-80051-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.7	J	20.0	8.90	ug/L	1		6010B	Total Recoverable
Barium	291		10.0	2.20	ug/L	1		6010B	Total Recoverable
Cadmium	1.00	J	5.00	0.940	ug/L	1		6010B	Total Recoverable
Chromium	4.10	J	5.00	2.50	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	640		1.00	0.870	mg/L	1		SM 2540C	Total/NA

Client Sample ID: W-MW3 — Lab Sample ID: 570-80051-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	660		5.0	2.7	ug/L	10		8260B	Total/NA
Ethylbenzene	540		5.0	1.8	ug/L	10		8260B	Total/NA
1,2,4-Trimethylbenzene	18		5.0	2.9	ug/L	10		8260B	Total/NA
Isopropylbenzene	47		5.0	3.8	ug/L	10		8260B	Total/NA
Naphthalene	60		10	3.2	ug/L	10		8260B	Total/NA
n-Butylbenzene	4.9	J	5.0	2.9	ug/L	10		8260B	Total/NA
N-Propylbenzene	48		5.0	1.8	ug/L	10		8260B	Total/NA
sec-Butylbenzene	7.8		5.0	3.4	ug/L	10		8260B	Total/NA
Fluorene	1.1		0.19	0.073	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	17		0.19	0.071	ug/L	1		8270C SIM	Total/NA
Phenanthrene	0.61		0.19	0.071	ug/L	1		8270C SIM	Total/NA
2-Methylnaphthalene - DL	21		0.97	0.38	ug/L	5		8270C SIM	Total/NA
Naphthalene - DL	39		0.97	0.40	ug/L	5		8270C SIM	Total/NA
Arsenic	22.2		20.0	8.90	ug/L	1		6010B	Total Recoverable

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Detection Summary

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

Job ID: 570-80051-1

Client Sample ID: W-MW3 (Continued) — Lab Sample ID: 570-80051-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	9740		10.0	2.20	ug/L	1		6010B	Total Recoverable
Cadmium	3.80	J	5.00	0.940	ug/L	1		6010B	Total Recoverable
Chromium	6.40		5.00	2.50	ug/L	1		6010B	Total Recoverable
Silver	7.00	J	10.0	5.00	ug/L	1		6010B	Total Recoverable
Total Dissolved Solids	1400		1.00	0.870	mg/L	1		SM 2540C	Total/NA
Chloride	17.7		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: TRIP BLANK — Lab Sample ID: 570-80051-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Calscience

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW10

Date Collected: 12/22/21 07:45
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			01/03/22 16:55	1
Toluene	ND		0.50	0.15	ug/L			01/03/22 16:55	1
Ethylbenzene	ND		0.50	0.18	ug/L			01/03/22 16:55	1
o-Xylene	ND		0.50	0.17	ug/L			01/03/22 16:55	1
m,p-Xylene	ND		1.0	0.78	ug/L			01/03/22 16:55	1
Xylenes, Total	ND		1.0	0.78	ug/L			01/03/22 16:55	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			01/03/22 16:55	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			01/03/22 16:55	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			01/03/22 16:55	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			01/03/22 16:55	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/22 16:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/22 16:55	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			01/03/22 16:55	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			01/03/22 16:55	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			01/03/22 16:55	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			01/03/22 16:55	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			01/03/22 16:55	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			01/03/22 16:55	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			01/03/22 16:55	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			01/03/22 16:55	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			01/03/22 16:55	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			01/03/22 16:55	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			01/03/22 16:55	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			01/03/22 16:55	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			01/03/22 16:55	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			01/03/22 16:55	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			01/03/22 16:55	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			01/03/22 16:55	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			01/03/22 16:55	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			01/03/22 16:55	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			01/03/22 16:55	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			01/03/22 16:55	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			01/03/22 16:55	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			01/03/22 16:55	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			01/03/22 16:55	1
Acetone	ND		8.0	4.0	ug/L			01/03/22 16:55	1
Bromobenzene	ND		0.50	0.26	ug/L			01/03/22 16:55	1
Bromochloromethane	ND		1.0	0.35	ug/L			01/03/22 16:55	1
Bromoform	ND		0.50	0.39	ug/L			01/03/22 16:55	1
Bromomethane	ND		1.0	0.93	ug/L			01/03/22 16:55	1
Carbon disulfide	ND		1.0	0.24	ug/L			01/03/22 16:55	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/22 16:55	1
Chlorobenzene	ND		0.50	0.24	ug/L			01/03/22 16:55	1
Dibromochloromethane	ND		0.50	0.27	ug/L			01/03/22 16:55	1
Chloroethane	ND		0.50	0.44	ug/L			01/03/22 16:55	1
Chloroform	ND		0.50	0.28	ug/L			01/03/22 16:55	1
Chloromethane	ND		1.0	0.29	ug/L			01/03/22 16:55	1
Dibromomethane	ND		0.50	0.23	ug/L			01/03/22 16:55	1
Bromodichloromethane	ND		0.50	0.22	ug/L			01/03/22 16:55	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW10

Date Collected: 12/22/21 07:45
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/03/22 16:55	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			01/03/22 16:55	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			01/03/22 16:55	1
Isopropylbenzene	ND		0.50	0.38	ug/L			01/03/22 16:55	1
2-Butanone	ND		5.0	3.0	ug/L			01/03/22 16:55	1
Methylene Chloride	ND		1.0	0.66	ug/L			01/03/22 16:55	1
2-Hexanone	ND		6.0	4.3	ug/L			01/03/22 16:55	1
Naphthalene	ND		1.0	0.32	ug/L			01/03/22 16:55	1
n-Butylbenzene	ND		0.50	0.29	ug/L			01/03/22 16:55	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/22 16:55	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			01/03/22 16:55	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			01/03/22 16:55	1
Styrene	ND		0.50	0.28	ug/L			01/03/22 16:55	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			01/03/22 16:55	1
Tetrachloroethene	ND		0.50	0.29	ug/L			01/03/22 16:55	1
Trichloroethene	ND		0.50	0.29	ug/L			01/03/22 16:55	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			01/03/22 16:55	1
Vinyl chloride	ND		0.50	0.40	ug/L			01/03/22 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*116*		*68 - 135*		*01/03/22 16:55*	*1*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*		*01/03/22 16:55*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*01/03/22 16:55*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/03/22 16:55*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000325**	**H**	0.000248	0.000124	mg/L		01/19/22 15:04	01/20/22 18:54	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**57.5**		20.0	8.90	ug/L		01/17/22 07:02	01/18/22 21:29	1
Barium	**615**		10.0	2.20	ug/L		01/17/22 07:02	01/18/22 21:29	1
Cadmium	**1.10**	**J**	5.00	0.940	ug/L		01/17/22 07:02	01/18/22 21:29	1
Chromium	**8.20**		5.00	2.50	ug/L		01/17/22 07:02	01/18/22 21:29	1
Lead	**10.2**		5.00	3.80	ug/L		01/17/22 07:02	01/18/22 21:29	1
Selenium	**13.7**	**J**	20.0	8.70	ug/L		01/17/22 07:02	01/18/22 21:29	1
Silver	ND		10.0	5.00	ug/L		01/17/22 07:02	01/18/22 21:29	1

Client Sample ID: W-MW31

Date Collected: 12/22/21 08:27
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.27	ug/L			12/30/21 13:45	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 13:45	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 13:45	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 13:45	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 13:45	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 13:45	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW31
Date Collected: 12/22/21 08:27
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 13:45	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 13:45	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 13:45	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 13:45	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 13:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 13:45	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 13:45	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 13:45	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 13:45	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 13:45	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 13:45	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 13:45	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 13:45	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 13:45	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 13:45	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/30/21 13:45	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 13:45	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 13:45	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 13:45	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 13:45	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 13:45	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 13:45	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 13:45	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 13:45	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 13:45	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 13:45	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 13:45	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 13:45	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 13:45	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 13:45	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 13:45	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 13:45	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 13:45	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 13:45	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 13:45	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 13:45	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 13:45	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 13:45	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 13:45	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 13:45	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 13:45	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 13:45	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 13:45	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 13:45	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 13:45	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 13:45	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 13:45	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 13:45	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 13:45	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW31
Date Collected: 12/22/21 08:27
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 13:45	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 13:45	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 13:45	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 13:45	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 13:45	1
sec-Butylbenzene	**0.82**		0.50	0.34	ug/L			12/30/21 13:45	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 13:45	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 13:45	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 13:45	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 13:45	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 13:45	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*68 - 135*		*12/30/21 13:45*	*1*
4-Bromofluorobenzene (Surr)	*93*		*71 - 120*		*12/30/21 13:45*	*1*
Dibromofluoromethane (Surr)	*94*		*80 - 120*		*12/30/21 13:45*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/30/21 13:45*	*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		12/28/21 08:21	12/30/21 13:05	1
Acenaphthylene	ND		0.19	0.065	ug/L		12/28/21 08:21	12/30/21 13:05	1
Anthracene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 13:05	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		12/28/21 08:21	12/30/21 13:05	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		12/28/21 08:21	12/30/21 13:05	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 13:05	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		12/28/21 08:21	12/30/21 13:05	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		12/28/21 08:21	12/30/21 13:05	1
Chrysene	ND		0.19	0.056	ug/L		12/28/21 08:21	12/30/21 13:05	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 13:05	1
Fluoranthene	ND		0.19	0.064	ug/L		12/28/21 08:21	12/30/21 13:05	1
Fluorene	ND		0.19	0.071	ug/L		12/28/21 08:21	12/30/21 13:05	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/28/21 08:21	12/30/21 13:05	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		12/28/21 08:21	12/30/21 13:05	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		12/28/21 08:21	12/30/21 13:05	1
Naphthalene	ND		0.19	0.078	ug/L		12/28/21 08:21	12/30/21 13:05	1
Phenanthrene	ND		0.19	0.069	ug/L		12/28/21 08:21	12/30/21 13:05	1
Pyrene	ND		0.19	0.063	ug/L		12/28/21 08:21	12/30/21 13:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*105*		*33 - 144*	*12/28/21 08:21*	*12/30/21 13:05*	*1*
Nitrobenzene-d5 (Surr)	*70*		*28 - 139*	*12/28/21 08:21*	*12/30/21 13:05*	*1*
p-Terphenyl-d14 (Surr)	*92*		*23 - 160*	*12/28/21 08:21*	*12/30/21 13:05*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 15:04	01/20/22 18:46	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW31

Lab Sample ID: 570-80051-2
Date Collected: 12/22/21 08:27
Matrix: Water
Date Received: 12/23/21 10:00

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**17.9**	**J**	20.0	8.90	ug/L		01/17/22 07:02	01/18/22 21:39	1
Barium	**382**		10.0	2.20	ug/L		01/17/22 07:02	01/18/22 21:39	1
Cadmium	ND		5.00	0.940	ug/L		01/17/22 07:02	01/18/22 21:39	1
Chromium	ND		5.00	2.50	ug/L		01/17/22 07:02	01/18/22 21:39	1
Lead	ND		5.00	3.80	ug/L		01/17/22 07:02	01/18/22 21:39	1
Selenium	ND		20.0	8.70	ug/L		01/17/22 07:02	01/18/22 21:39	1
Silver	ND		10.0	5.00	ug/L		01/17/22 07:02	01/18/22 21:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**770**		1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**91.2**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW6

Lab Sample ID: 570-80051-3
Date Collected: 12/22/21 09:39
Matrix: Water
Date Received: 12/23/21 10:00

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			12/30/21 14:11	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 14:11	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 14:11	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 14:11	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 14:11	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 14:11	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 14:11	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 14:11	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 14:11	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 14:11	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 14:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 14:11	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 14:11	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 14:11	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 14:11	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 14:11	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 14:11	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 14:11	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 14:11	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 14:11	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 14:11	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/30/21 14:11	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 14:11	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 14:11	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 14:11	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 14:11	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 14:11	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 14:11	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 14:11	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 14:11	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 14:11	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW6
Date Collected: 12/22/21 09:39
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 14:11	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 14:11	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 14:11	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 14:11	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 14:11	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 14:11	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 14:11	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 14:11	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 14:11	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 14:11	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 14:11	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 14:11	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 14:11	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 14:11	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 14:11	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 14:11	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 14:11	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 14:11	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 14:11	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 14:11	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 14:11	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 14:11	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 14:11	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 14:11	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 14:11	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 14:11	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 14:11	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 14:11	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 14:11	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 14:11	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 14:11	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 14:11	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 14:11	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 14:11	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 14:11	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*		*12/30/21 14:11*	*1*
4-Bromofluorobenzene (Surr)	*89*		*71 - 120*		*12/30/21 14:11*	*1*
Dibromofluoromethane (Surr)	*93*		*80 - 120*		*12/30/21 14:11*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*12/30/21 14:11*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.094	ug/L		12/28/21 08:21	12/30/21 13:25	1
Acenaphthylene	ND		0.19	0.066	ug/L		12/28/21 08:21	12/30/21 13:25	1
Anthracene	ND		0.19	0.057	ug/L		12/28/21 08:21	12/30/21 13:25	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/28/21 08:21	12/30/21 13:25	1
Benzo[a]pyrene	ND		0.19	0.060	ug/L		12/28/21 08:21	12/30/21 13:25	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW6
Date Collected: 12/22/21 09:39
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 13:25	1
Benzo[g,h,i]perylene	ND		0.19	0.097	ug/L		12/28/21 08:21	12/30/21 13:25	1
Benzo[k]fluoranthene	ND		0.19	0.090	ug/L		12/28/21 08:21	12/30/21 13:25	1
Chrysene	ND		0.19	0.057	ug/L		12/28/21 08:21	12/30/21 13:25	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 13:25	1
Fluoranthene	ND		0.19	0.065	ug/L		12/28/21 08:21	12/30/21 13:25	1
Fluorene	ND		0.19	0.072	ug/L		12/28/21 08:21	12/30/21 13:25	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/28/21 08:21	12/30/21 13:25	1
1-Methylnaphthalene	ND		0.19	0.070	ug/L		12/28/21 08:21	12/30/21 13:25	1
2-Methylnaphthalene	ND		0.19	0.074	ug/L		12/28/21 08:21	12/30/21 13:25	1
Naphthalene	ND		0.19	0.080	ug/L		12/28/21 08:21	12/30/21 13:25	1
Phenanthrene	ND		0.19	0.070	ug/L		12/28/21 08:21	12/30/21 13:25	1
Pyrene	ND		0.19	0.064	ug/L		12/28/21 08:21	12/30/21 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*110*		*33 - 144*	*12/28/21 08:21*	*12/30/21 13:25*	*1*
Nitrobenzene-d5 (Surr)	*64*		*28 - 139*	*12/28/21 08:21*	*12/30/21 13:25*	*1*
p-Terphenyl-d14 (Surr)	*104*		*23 - 160*	*12/28/21 08:21*	*12/30/21 13:25*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 15:04	01/20/22 18:52	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15.7**	**J**	20.0	8.90	ug/L		01/17/22 07:02	01/18/22 21:42	1
Barium	**291**		10.0	2.20	ug/L		01/17/22 07:02	01/18/22 21:42	1
Cadmium	**1.00**	**J**	5.00	0.940	ug/L		01/17/22 07:02	01/18/22 21:42	1
Chromium	**4.10**	**J**	5.00	2.50	ug/L		01/17/22 07:02	01/18/22 21:42	1
Lead	ND		5.00	3.80	ug/L		01/17/22 07:02	01/18/22 21:42	1
Selenium	ND		20.0	8.70	ug/L		01/17/22 07:02	01/18/22 21:42	1
Silver	ND		10.0	5.00	ug/L		01/17/22 07:02	01/18/22 21:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**640**		1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	ND		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: W-MW3
Date Collected: 12/22/21 10:43
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**660**		5.0	2.7	ug/L			12/30/21 14:37	10
Toluene	ND		5.0	1.5	ug/L			12/30/21 14:37	10
Ethylbenzene	**540**		5.0	1.8	ug/L			12/30/21 14:37	10
o-Xylene	ND		5.0	1.7	ug/L			12/30/21 14:37	10
m,p-Xylene	ND		10	7.8	ug/L			12/30/21 14:37	10
Xylenes, Total	ND		10	7.8	ug/L			12/30/21 14:37	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0	2.1	ug/L			12/30/21 14:37	10

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW3
Date Collected: 12/22/21 10:43
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0	2.6	ug/L			12/30/21 14:37	10
1,1,1-Trichloroethane	ND		5.0	2.7	ug/L			12/30/21 14:37	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.9	ug/L			12/30/21 14:37	10
1,1,2-Trichloroethane	ND		5.0	1.8	ug/L			12/30/21 14:37	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.5	ug/L			12/30/21 14:37	10
1,1-Dichloroethane	ND		5.0	1.7	ug/L			12/30/21 14:37	10
1,1-Dichloroethene	ND		5.0	3.9	ug/L			12/30/21 14:37	10
1,1-Dichloropropene	ND		5.0	2.4	ug/L			12/30/21 14:37	10
1,2,3-Trichlorobenzene	ND		5.0	2.8	ug/L			12/30/21 14:37	10
1,2,3-Trichloropropane	ND		5.0	3.2	ug/L			12/30/21 14:37	10
1,2,4-Trichlorobenzene	ND		5.0	3.8	ug/L			12/30/21 14:37	10
1,2,4-Trimethylbenzene	**18**		5.0	2.9	ug/L			12/30/21 14:37	10
1,3,5-Trimethylbenzene	ND		5.0	2.8	ug/L			12/30/21 14:37	10
c-1,2-Dichloroethene	ND		5.0	3.0	ug/L			12/30/21 14:37	10
1,2-Dibromo-3-Chloropropane	ND		10	6.4	ug/L			12/30/21 14:37	10
1,2-Dichlorobenzene	ND		5.0	2.3	ug/L			12/30/21 14:37	10
1,2-Dichloroethane	ND		5.0	1.5	ug/L			12/30/21 14:37	10
1,2-Dichloropropane	ND		5.0	2.4	ug/L			12/30/21 14:37	10
t-1,2-Dichloroethene	ND		5.0	3.6	ug/L			12/30/21 14:37	10
c-1,3-Dichloropropene	ND		5.0	1.9	ug/L			12/30/21 14:37	10
1,3-Dichlorobenzene	ND		5.0	2.6	ug/L			12/30/21 14:37	10
1,3-Dichloropropane	ND		5.0	2.0	ug/L			12/30/21 14:37	10
t-1,3-Dichloropropene	ND		5.0	1.7	ug/L			12/30/21 14:37	10
1,4-Dichlorobenzene	ND		5.0	2.2	ug/L			12/30/21 14:37	10
2,2-Dichloropropane	ND		5.0	4.0	ug/L			12/30/21 14:37	10
2-Chlorotoluene	ND		5.0	3.1	ug/L			12/30/21 14:37	10
4-Chlorotoluene	ND		5.0	3.4	ug/L			12/30/21 14:37	10
4-Methyl-2-pentanone	ND		50	22	ug/L			12/30/21 14:37	10
Acetone	ND		80	40	ug/L			12/30/21 14:37	10
Bromobenzene	ND		5.0	2.6	ug/L			12/30/21 14:37	10
Bromochloromethane	ND		10	3.5	ug/L			12/30/21 14:37	10
Bromoform	ND		5.0	3.9	ug/L			12/30/21 14:37	10
Bromomethane	ND		10	9.3	ug/L			12/30/21 14:37	10
Carbon disulfide	ND		10	2.4	ug/L			12/30/21 14:37	10
Carbon tetrachloride	ND		5.0	2.7	ug/L			12/30/21 14:37	10
Chlorobenzene	ND		5.0	2.4	ug/L			12/30/21 14:37	10
Dibromochloromethane	ND		5.0	2.7	ug/L			12/30/21 14:37	10
Chloroethane	ND		5.0	4.4	ug/L			12/30/21 14:37	10
Chloroform	ND		5.0	2.8	ug/L			12/30/21 14:37	10
Chloromethane	ND		10	2.9	ug/L			12/30/21 14:37	10
Dibromomethane	ND		5.0	2.3	ug/L			12/30/21 14:37	10
Bromodichloromethane	ND		5.0	2.2	ug/L			12/30/21 14:37	10
Dichlorodifluoromethane	ND		10	6.8	ug/L			12/30/21 14:37	10
1,2-Dibromoethane	ND		5.0	1.4	ug/L			12/30/21 14:37	10
Hexachloro-1,3-butadiene	ND		10	3.2	ug/L			12/30/21 14:37	10
Isopropylbenzene	**47**		5.0	3.8	ug/L			12/30/21 14:37	10
2-Butanone	ND		50	30	ug/L			12/30/21 14:37	10
Methylene Chloride	ND		10	6.6	ug/L			12/30/21 14:37	10
2-Hexanone	ND		60	43	ug/L			12/30/21 14:37	10

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW3
Date Collected: 12/22/21 10:43
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**60**		10	3.2	ug/L			12/30/21 14:37	10
n-Butylbenzene	**4.9**	**J**	5.0	2.9	ug/L			12/30/21 14:37	10
N-Propylbenzene	**48**		5.0	1.8	ug/L			12/30/21 14:37	10
p-Isopropyltoluene	ND		5.0	2.8	ug/L			12/30/21 14:37	10
sec-Butylbenzene	**7.8**		5.0	3.4	ug/L			12/30/21 14:37	10
Styrene	ND		5.0	2.8	ug/L			12/30/21 14:37	10
tert-Butylbenzene	ND		5.0	3.4	ug/L			12/30/21 14:37	10
Tetrachloroethene	ND		5.0	2.9	ug/L			12/30/21 14:37	10
Trichloroethene	ND		5.0	2.9	ug/L			12/30/21 14:37	10
Trichlorofluoromethane	ND		5.0	3.0	ug/L			12/30/21 14:37	10
Vinyl chloride	ND		5.0	4.0	ug/L			12/30/21 14:37	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*68 - 135*		*12/30/21 14:37*	*10*
4-Bromofluorobenzene (Surr)	*95*		*71 - 120*		*12/30/21 14:37*	*10*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*12/30/21 14:37*	*10*
Toluene-d8 (Surr)	*102*		*80 - 120*		*12/30/21 14:37*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.095	ug/L		12/28/21 08:21	12/30/21 13:44	1
Acenaphthylene	ND		0.19	0.067	ug/L		12/28/21 08:21	12/30/21 13:44	1
Anthracene	ND		0.19	0.058	ug/L		12/28/21 08:21	12/30/21 13:44	1
Benzo[a]anthracene	ND		0.19	0.083	ug/L		12/28/21 08:21	12/30/21 13:44	1
Benzo[a]pyrene	ND		0.19	0.061	ug/L		12/28/21 08:21	12/30/21 13:44	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 13:44	1
Benzo[g,h,i]perylene	ND		0.19	0.098	ug/L		12/28/21 08:21	12/30/21 13:44	1
Benzo[k]fluoranthene	ND		0.19	0.091	ug/L		12/28/21 08:21	12/30/21 13:44	1
Chrysene	ND		0.19	0.058	ug/L		12/28/21 08:21	12/30/21 13:44	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		12/28/21 08:21	12/30/21 13:44	1
Fluoranthene	ND		0.19	0.066	ug/L		12/28/21 08:21	12/30/21 13:44	1
Fluorene	**1.1**		0.19	0.073	ug/L		12/28/21 08:21	12/30/21 13:44	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		12/28/21 08:21	12/30/21 13:44	1
1-Methylnaphthalene	**17**		0.19	0.071	ug/L		12/28/21 08:21	12/30/21 13:44	1
Phenanthrene	**0.61**		0.19	0.071	ug/L		12/28/21 08:21	12/30/21 13:44	1
Pyrene	ND		0.19	0.064	ug/L		12/28/21 08:21	12/30/21 13:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*97*		*33 - 144*	*12/28/21 08:21*	*12/30/21 13:44*	*1*
Nitrobenzene-d5 (Surr)	*93*		*28 - 139*	*12/28/21 08:21*	*12/30/21 13:44*	*1*
p-Terphenyl-d14 (Surr)	*43*		*23 - 160*	*12/28/21 08:21*	*12/30/21 13:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	**21**		0.97	0.38	ug/L		12/28/21 08:21	12/30/21 15:12	5
Naphthalene	**39**		0.97	0.40	ug/L		12/28/21 08:21	12/30/21 15:12	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*102*		*33 - 144*	*12/28/21 08:21*	*12/30/21 15:12*	*5*
Nitrobenzene-d5 (Surr)	*48*		*28 - 139*	*12/28/21 08:21*	*12/30/21 15:12*	*5*
p-Terphenyl-d14 (Surr)	*46*		*23 - 160*	*12/28/21 08:21*	*12/30/21 15:12*	*5*

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: W-MW3

Lab Sample ID: 570-80051-4
Matrix: Water
Date Collected: 12/22/21 10:43
Date Received: 12/23/21 10:00

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	H	0.000248	0.000124	mg/L		01/19/22 15:04	01/20/22 18:56	1

Method: 6010B - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**22.2**		20.0	8.90	ug/L		01/17/22 07:02	01/18/22 21:45	1
Barium	**9740**		10.0	2.20	ug/L		01/17/22 07:02	01/18/22 21:45	1
Cadmium	**3.80**	**J**	5.00	0.940	ug/L		01/17/22 07:02	01/18/22 21:45	1
Chromium	**6.40**		5.00	2.50	ug/L		01/17/22 07:02	01/18/22 21:45	1
Lead	ND		5.00	3.80	ug/L		01/17/22 07:02	01/18/22 21:45	1
Selenium	ND		20.0	8.70	ug/L		01/17/22 07:02	01/18/22 21:45	1
Silver	**7.00**	**J**	10.0	5.00	ug/L		01/17/22 07:02	01/18/22 21:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**1400**		1.00	0.870	mg/L			12/29/21 20:00	1
Chloride	**17.7**		2.00	0.596	mg/L			01/06/22 15:03	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 570-80051-5
Matrix: Water
Date Collected: 12/22/21 00:00
Date Received: 12/23/21 10:00

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			12/29/21 14:12	1
Toluene	ND		0.50	0.15	ug/L			12/29/21 14:12	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/29/21 14:12	1
o-Xylene	ND		0.50	0.17	ug/L			12/29/21 14:12	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/29/21 14:12	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/29/21 14:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/29/21 14:12	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/29/21 14:12	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/29/21 14:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/29/21 14:12	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/29/21 14:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/29/21 14:12	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/29/21 14:12	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/29/21 14:12	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/29/21 14:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/29/21 14:12	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/29/21 14:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/29/21 14:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/29/21 14:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/29/21 14:12	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/29/21 14:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/29/21 14:12	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/29/21 14:12	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/29/21 14:12	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/29/21 14:12	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/29/21 14:12	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/29/21 14:12	1

Client Sample Results

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

Job ID: 570-80051-1

Client Sample ID: TRIP BLANK

Date Collected: 12/22/21 00:00
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/29/21 14:12	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/29/21 14:12	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/29/21 14:12	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/29/21 14:12	1
2,2-Dichloropropane	ND	*+	0.50	0.40	ug/L			12/29/21 14:12	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/29/21 14:12	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/29/21 14:12	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/29/21 14:12	1
Acetone	ND		8.0	4.0	ug/L			12/29/21 14:12	1
Bromobenzene	ND		0.50	0.26	ug/L			12/29/21 14:12	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/29/21 14:12	1
Bromoform	ND		0.50	0.39	ug/L			12/29/21 14:12	1
Bromomethane	ND		1.0	0.93	ug/L			12/29/21 14:12	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/29/21 14:12	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/29/21 14:12	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/29/21 14:12	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/29/21 14:12	1
Chloroethane	ND		0.50	0.44	ug/L			12/29/21 14:12	1
Chloroform	ND		0.50	0.28	ug/L			12/29/21 14:12	1
Chloromethane	ND		1.0	0.29	ug/L			12/29/21 14:12	1
Dibromomethane	ND		0.50	0.23	ug/L			12/29/21 14:12	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/29/21 14:12	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/21 14:12	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/29/21 14:12	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/29/21 14:12	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/29/21 14:12	1
2-Butanone	ND		5.0	3.0	ug/L			12/29/21 14:12	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/29/21 14:12	1
2-Hexanone	ND		6.0	4.3	ug/L			12/29/21 14:12	1
Naphthalene	ND		1.0	0.32	ug/L			12/29/21 14:12	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/29/21 14:12	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/29/21 14:12	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/29/21 14:12	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 14:12	1
Styrene	ND		0.50	0.28	ug/L			12/29/21 14:12	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 14:12	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/29/21 14:12	1
Trichloroethene	ND		0.50	0.29	ug/L			12/29/21 14:12	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/29/21 14:12	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/29/21 14:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*68 - 135*		*12/29/21 14:12*	*1*
4-Bromofluorobenzene (Surr)	*86*		*71 - 120*		*12/29/21 14:12*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*12/29/21 14:12*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/29/21 14:12*	*1*

Surrogate Summary

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

Job ID: 570-80051-1

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

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

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(68-135)	(71-120)	(80-120)	(80-120)
570-79789-A-6 MS	Matrix Spike	105	96	111	107
570-79789-A-6 MSD	Matrix Spike Duplicate	106	100	106	102
570-80051-1	W-MW10	116	92	102	101
570-80051-2	W-MW31	95	93	94	98
570-80051-3	W-MW6	96	89	93	99
570-80051-4	W-MW3	96	95	98	102
570-80051-5	TRIP BLANK	106	86	106	98
LCS 570-204360/3	Lab Control Sample	97	99	103	102
LCS 570-204658/3	Lab Control Sample	94	100	100	104
LCS 570-205013/3	Lab Control Sample	111	106	103	100
LCSD 570-204360/4	Lab Control Sample Dup	97	98	102	99
LCSD 570-204658/4	Lab Control Sample Dup	93	99	101	103
LCSD 570-205013/4	Lab Control Sample Dup	107	107	100	99
MB 570-204360/6	Method Blank	107	90	108	98
MB 570-204658/6	Method Blank	97	92	102	103
MB 570-205013/6	Method Blank	115	89	108	96

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-80051-2	W-MW31	105	70	92
570-80051-3	W-MW6	110	64	104
570-80051-4	W-MW3	97	93	43
570-80051-4 - DL	W-MW3	102	48	46
LCS 570-203706/2-A	Lab Control Sample	98	83	105
LCSD 570-203706/3-A	Lab Control Sample Dup	88	105	103
MB 570-203706/1-A	Method Blank	75	75	93

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: 570-80051-1

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

Lab Sample ID: MB 570-204360/6
Matrix: Water
Analysis Batch: 204360

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			12/29/21 13:14	1
Toluene	ND		0.50	0.15	ug/L			12/29/21 13:14	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/29/21 13:14	1
o-Xylene	ND		0.50	0.17	ug/L			12/29/21 13:14	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/29/21 13:14	1
Xylenes, Total	ND		1.0	0.78	ug/L			12/29/21 13:14	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/29/21 13:14	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/29/21 13:14	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/29/21 13:14	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/29/21 13:14	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/29/21 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/29/21 13:14	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/29/21 13:14	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/29/21 13:14	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/29/21 13:14	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/29/21 13:14	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/29/21 13:14	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/29/21 13:14	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/29/21 13:14	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/29/21 13:14	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/29/21 13:14	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/29/21 13:14	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/29/21 13:14	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/29/21 13:14	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/29/21 13:14	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/29/21 13:14	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/29/21 13:14	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/29/21 13:14	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/29/21 13:14	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/29/21 13:14	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/29/21 13:14	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/29/21 13:14	1
Acetone	ND		8.0	4.0	ug/L			12/29/21 13:14	1
Bromobenzene	ND		0.50	0.26	ug/L			12/29/21 13:14	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/29/21 13:14	1
Bromoform	ND		0.50	0.39	ug/L			12/29/21 13:14	1
Bromomethane	ND		1.0	0.93	ug/L			12/29/21 13:14	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/29/21 13:14	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/29/21 13:14	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/29/21 13:14	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/29/21 13:14	1
Chloroethane	ND		0.50	0.44	ug/L			12/29/21 13:14	1
Chloroform	ND		0.50	0.28	ug/L			12/29/21 13:14	1
Chloromethane	ND		1.0	0.29	ug/L			12/29/21 13:14	1
Dibromomethane	ND		0.50	0.23	ug/L			12/29/21 13:14	1

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 570-204360/6
Matrix: Water
Analysis Batch: 204360

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			12/29/21 13:14	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/29/21 13:14	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/29/21 13:14	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/29/21 13:14	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/29/21 13:14	1
2-Butanone	ND		5.0	3.0	ug/L			12/29/21 13:14	1
Methylene Chloride	ND		1.0	0.66	ug/L			12/29/21 13:14	1
2-Hexanone	ND		6.0	4.3	ug/L			12/29/21 13:14	1
Naphthalene	ND		1.0	0.32	ug/L			12/29/21 13:14	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/29/21 13:14	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 13:14	1
Styrene	ND		0.50	0.28	ug/L			12/29/21 13:14	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/29/21 13:14	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
Trichloroethene	ND		0.50	0.29	ug/L			12/29/21 13:14	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/29/21 13:14	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/29/21 13:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 135*		*12/29/21 13:14*	*1*
4-Bromofluorobenzene (Surr)	*90*		*71 - 120*		*12/29/21 13:14*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*12/29/21 13:14*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*12/29/21 13:14*	*1*

Lab Sample ID: LCS 570-204360/3
Matrix: Water
Analysis Batch: 204360

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	9.269		ug/L		93	80 - 120
Toluene	10.0	9.470		ug/L		95	80 - 120
Ethylbenzene	10.0	9.428		ug/L		94	80 - 120
o-Xylene	10.0	9.569		ug/L		96	80 - 122
m,p-Xylene	20.0	19.03		ug/L		95	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	8.521		ug/L		85	72 - 120
1,1-Dichloroethene	10.0	8.864		ug/L		89	72 - 120
1,2-Dichlorobenzene	10.0	8.851		ug/L		89	79 - 123
1,2-Dichloroethane	10.0	9.053		ug/L		91	71 - 137
Carbon tetrachloride	10.0	11.46		ug/L		115	69 - 145
Chlorobenzene	10.0	9.397		ug/L		94	80 - 120
1,2-Dibromoethane	10.0	9.299		ug/L		93	80 - 120
Hexachloro-1,3-butadiene	10.0	8.943		ug/L		89	76 - 141
Trichloroethene	10.0	9.097		ug/L		91	80 - 123
Vinyl chloride	10.0	10.76		ug/L		108	74 - 130

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: LCS 570-204360/3
Matrix: Water
Analysis Batch: 204360

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 135
4-Bromofluorobenzene (Surr)	99		71 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	102		80 - 120

Lab Sample ID: LCSD 570-204360/4
Matrix: Water
Analysis Batch: 204360

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	9.707		ug/L		97	80 - 120	5	20
Toluene			10.0	9.883		ug/L		99	80 - 120	4	20
Ethylbenzene			10.0	10.13		ug/L		101	80 - 120	7	20
o-Xylene			10.0	10.01		ug/L		100	80 - 122	4	20
m,p-Xylene			20.0	20.33		ug/L		102	80 - 122	7	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.769		ug/L		98	72 - 120	14	20
1,1-Dichloroethene			10.0	9.611		ug/L		96	72 - 120	8	20
1,2-Dichlorobenzene			10.0	9.514		ug/L		95	79 - 123	7	20
1,2-Dichloroethane			10.0	9.472		ug/L		95	71 - 137	5	20
Carbon tetrachloride			10.0	12.66		ug/L		127	69 - 145	10	20
Chlorobenzene			10.0	9.965		ug/L		100	80 - 120	6	20
1,2-Dibromoethane			10.0	10.01		ug/L		100	80 - 120	7	20
Hexachloro-1,3-butadiene			10.0	9.873		ug/L		99	76 - 141	10	23
Trichloroethene			10.0	9.766		ug/L		98	80 - 123	7	20
Vinyl chloride			10.0	11.51		ug/L		115	74 - 130	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	97		68 - 135
4-Bromofluorobenzene (Surr)	98		71 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: 570-79789-A-6 MS
Matrix: Water
Analysis Batch: 204360

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		10.0	10.75		ug/L		107	61 - 143
Toluene	ND		10.0	10.59		ug/L		106	62 - 145
Ethylbenzene	ND		10.0	10.26		ug/L		103	59 - 145
o-Xylene	ND		10.0	10.19		ug/L		102	61 - 150
m,p-Xylene	ND		20.0	20.41		ug/L		102	61 - 150
Methyl-t-Butyl Ether (MTBE)	ND		10.0	10.34		ug/L		103	62 - 125
1,1-Dichloroethene	1.3		10.0	11.69		ug/L		103	48 - 146
1,2-Dichlorobenzene	ND		10.0	9.259		ug/L		93	63 - 146
1,2-Dichloroethane	0.54		10.0	11.15		ug/L		106	63 - 151
Carbon tetrachloride	ND		10.0	13.75		ug/L		137	46 - 167
Chlorobenzene	ND		10.0	10.14		ug/L		101	62 - 143

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: 570-79789-A-6 MS
Matrix: Water
Analysis Batch: 204360

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
1,2-Dibromoethane	ND		10.0	10.09		ug/L		101	69 - 139
Hexachloro-1,3-butadiene	ND		10.0	9.092		ug/L		91	56 - 163
Trichloroethene	ND		10.0	10.46		ug/L		105	35 - 163
Vinyl chloride	ND		10.0	13.17		ug/L		132	75 - 139

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*68 - 135*
4-Bromofluorobenzene (Surr)	*96*		*71 - 120*
Dibromofluoromethane (Surr)	*111*		*80 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: 570-79789-A-6 MSD
Matrix: Water
Analysis Batch: 204360

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		10.0	10.76		ug/L		108	61 - 143	0	20
Toluene	ND		10.0	10.60		ug/L		106	62 - 145	0	21
Ethylbenzene	ND		10.0	10.61		ug/L		106	59 - 145	3	23
o-Xylene	ND		10.0	10.61		ug/L		106	61 - 150	4	20
m,p-Xylene	ND		20.0	21.09		ug/L		105	61 - 150	3	23
Methyl-t-Butyl Ether (MTBE)	ND		10.0	9.928		ug/L		99	62 - 125	4	20
1,1-Dichloroethene	1.3		10.0	11.59		ug/L		102	48 - 146	1	28
1,2-Dichlorobenzene	ND		10.0	9.788		ug/L		98	63 - 146	6	20
1,2-Dichloroethane	0.54		10.0	11.24		ug/L		107	63 - 151	1	20
Carbon tetrachloride	ND		10.0	13.65		ug/L		137	46 - 167	1	29
Chlorobenzene	ND		10.0	10.56		ug/L		106	62 - 143	4	20
1,2-Dibromoethane	ND		10.0	10.48		ug/L		105	69 - 139	4	20
Hexachloro-1,3-butadiene	ND		10.0	9.724		ug/L		97	56 - 163	7	34
Trichloroethene	ND		10.0	10.30		ug/L		103	35 - 163	2	21
Vinyl chloride	ND		10.0	13.55		ug/L		135	75 - 139	3	20

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

Lab Sample ID: MB 570-204658/6
Matrix: Water
Analysis Batch: 204658

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			12/30/21 10:40	1
Toluene	ND		0.50	0.15	ug/L			12/30/21 10:40	1
Ethylbenzene	ND		0.50	0.18	ug/L			12/30/21 10:40	1
o-Xylene	ND		0.50	0.17	ug/L			12/30/21 10:40	1
m,p-Xylene	ND		1.0	0.78	ug/L			12/30/21 10:40	1

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 570-204658/6
Matrix: Water
Analysis Batch: 204658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes, Total	ND		1.0	0.78	ug/L			12/30/21 10:40	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			12/30/21 10:40	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			12/30/21 10:40	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			12/30/21 10:40	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			12/30/21 10:40	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			12/30/21 10:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			12/30/21 10:40	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			12/30/21 10:40	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			12/30/21 10:40	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			12/30/21 10:40	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			12/30/21 10:40	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			12/30/21 10:40	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			12/30/21 10:40	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			12/30/21 10:40	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			12/30/21 10:40	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			12/30/21 10:40	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			12/30/21 10:40	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			12/30/21 10:40	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			12/30/21 10:40	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			12/30/21 10:40	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			12/30/21 10:40	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			12/30/21 10:40	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			12/30/21 10:40	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			12/30/21 10:40	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			12/30/21 10:40	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			12/30/21 10:40	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			12/30/21 10:40	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			12/30/21 10:40	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			12/30/21 10:40	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			12/30/21 10:40	1
Acetone	ND		8.0	4.0	ug/L			12/30/21 10:40	1
Bromobenzene	ND		0.50	0.26	ug/L			12/30/21 10:40	1
Bromochloromethane	ND		1.0	0.35	ug/L			12/30/21 10:40	1
Bromoform	ND		0.50	0.39	ug/L			12/30/21 10:40	1
Bromomethane	ND		1.0	0.93	ug/L			12/30/21 10:40	1
Carbon disulfide	ND		1.0	0.24	ug/L			12/30/21 10:40	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			12/30/21 10:40	1
Chlorobenzene	ND		0.50	0.24	ug/L			12/30/21 10:40	1
Dibromochloromethane	ND		0.50	0.27	ug/L			12/30/21 10:40	1
Chloroethane	ND		0.50	0.44	ug/L			12/30/21 10:40	1
Chloroform	ND		0.50	0.28	ug/L			12/30/21 10:40	1
Chloromethane	ND		1.0	0.29	ug/L			12/30/21 10:40	1
Dibromomethane	ND		0.50	0.23	ug/L			12/30/21 10:40	1
Bromodichloromethane	ND		0.50	0.22	ug/L			12/30/21 10:40	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			12/30/21 10:40	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			12/30/21 10:40	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			12/30/21 10:40	1
Isopropylbenzene	ND		0.50	0.38	ug/L			12/30/21 10:40	1
2-Butanone	ND		5.0	3.0	ug/L			12/30/21 10:40	1

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 570-204658/6
Matrix: Water
Analysis Batch: 204658

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	ND		1.0	0.66	ug/L			12/30/21 10:40	1
2-Hexanone	ND		6.0	4.3	ug/L			12/30/21 10:40	1
Naphthalene	ND		1.0	0.32	ug/L			12/30/21 10:40	1
n-Butylbenzene	ND		0.50	0.29	ug/L			12/30/21 10:40	1
N-Propylbenzene	ND		0.50	0.18	ug/L			12/30/21 10:40	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			12/30/21 10:40	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 10:40	1
Styrene	ND		0.50	0.28	ug/L			12/30/21 10:40	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			12/30/21 10:40	1
Tetrachloroethene	ND		0.50	0.29	ug/L			12/30/21 10:40	1
Trichloroethene	ND		0.50	0.29	ug/L			12/30/21 10:40	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			12/30/21 10:40	1
Vinyl chloride	ND		0.50	0.40	ug/L			12/30/21 10:40	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*68 - 135*		*12/30/21 10:40*	*1*
4-Bromofluorobenzene (Surr)	*92*		*71 - 120*		*12/30/21 10:40*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*12/30/21 10:40*	*1*
Toluene-d8 (Surr)	*103*		*80 - 120*		*12/30/21 10:40*	*1*

Lab Sample ID: LCS 570-204658/3
Matrix: Water
Analysis Batch: 204658

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	10.47		ug/L		105	80 - 120
Toluene	10.0	10.43		ug/L		104	80 - 120
Ethylbenzene	10.0	10.13		ug/L		101	80 - 120
o-Xylene	10.0	10.18		ug/L		102	80 - 122
m,p-Xylene	20.0	20.56		ug/L		103	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	9.320		ug/L		93	72 - 120
1,1-Dichloroethene	10.0	9.260		ug/L		93	72 - 120
1,2-Dichlorobenzene	10.0	10.26		ug/L		103	79 - 123
1,2-Dichloroethane	10.0	10.03		ug/L		100	71 - 137
Carbon tetrachloride	10.0	8.375		ug/L		84	69 - 145
Chlorobenzene	10.0	9.995		ug/L		100	80 - 120
1,2-Dibromoethane	10.0	9.795		ug/L		98	80 - 120
Hexachloro-1,3-butadiene	10.0	10.49		ug/L		105	76 - 141
Trichloroethene	10.0	9.629		ug/L		96	80 - 123
Vinyl chloride	10.0	10.62		ug/L		106	74 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*68 - 135*
4-Bromofluorobenzene (Surr)	*100*		*71 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*104*		*80 - 120*

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: LCSD 570-204658/4
Matrix: Water
Analysis Batch: 204658

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	10.29		ug/L		103	80 - 120	2	20
Toluene			10.0	10.11		ug/L		101	80 - 120	3	20
Ethylbenzene			10.0	9.949		ug/L		99	80 - 120	2	20
o-Xylene			10.0	9.816		ug/L		98	80 - 122	4	20
m,p-Xylene			20.0	20.21		ug/L		101	80 - 122	2	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.194		ug/L		92	72 - 120	1	20
1,1-Dichloroethene			10.0	9.013		ug/L		90	72 - 120	3	20
1,2-Dichlorobenzene			10.0	10.10		ug/L		101	79 - 123	2	20
1,2-Dichloroethane			10.0	9.701		ug/L		97	71 - 137	3	20
Carbon tetrachloride			10.0	8.477		ug/L		85	69 - 145	1	20
Chlorobenzene			10.0	9.857		ug/L		99	80 - 120	1	20
1,2-Dibromoethane			10.0	9.331		ug/L		93	80 - 120	5	20
Hexachloro-1,3-butadiene			10.0	10.39		ug/L		104	76 - 141	1	23
Trichloroethene			10.0	10.04		ug/L		100	80 - 123	4	20
Vinyl chloride			10.0	10.44		ug/L		104	74 - 130	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*68 - 135*
4-Bromofluorobenzene (Surr)	*99*		*71 - 120*
Dibromofluoromethane (Surr)	*101*		*80 - 120*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 570-205013/6
Matrix: Water
Analysis Batch: 205013

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			01/03/22 11:18	1
Toluene	ND		0.50	0.15	ug/L			01/03/22 11:18	1
Ethylbenzene	ND		0.50	0.18	ug/L			01/03/22 11:18	1
o-Xylene	ND		0.50	0.17	ug/L			01/03/22 11:18	1
m,p-Xylene	ND		1.0	0.78	ug/L			01/03/22 11:18	1
Xylenes, Total	ND		1.0	0.78	ug/L			01/03/22 11:18	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.21	ug/L			01/03/22 11:18	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.26	ug/L			01/03/22 11:18	1
1,1,1-Trichloroethane	ND		0.50	0.27	ug/L			01/03/22 11:18	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.19	ug/L			01/03/22 11:18	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			01/03/22 11:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			01/03/22 11:18	1
1,1-Dichloroethane	ND		0.50	0.17	ug/L			01/03/22 11:18	1
1,1-Dichloroethene	ND		0.50	0.39	ug/L			01/03/22 11:18	1
1,1-Dichloropropene	ND		0.50	0.24	ug/L			01/03/22 11:18	1
1,2,3-Trichlorobenzene	ND		0.50	0.28	ug/L			01/03/22 11:18	1
1,2,3-Trichloropropane	ND		0.50	0.32	ug/L			01/03/22 11:18	1
1,2,4-Trichlorobenzene	ND		0.50	0.38	ug/L			01/03/22 11:18	1
1,2,4-Trimethylbenzene	ND		0.50	0.29	ug/L			01/03/22 11:18	1
1,3,5-Trimethylbenzene	ND		0.50	0.28	ug/L			01/03/22 11:18	1
c-1,2-Dichloroethene	ND		0.50	0.30	ug/L			01/03/22 11:18	1

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 570-205013/6
Matrix: Water
Analysis Batch: 205013

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		1.0	0.64	ug/L			01/03/22 11:18	1
1,2-Dichlorobenzene	ND		0.50	0.23	ug/L			01/03/22 11:18	1
1,2-Dichloroethane	ND		0.50	0.15	ug/L			01/03/22 11:18	1
1,2-Dichloropropane	ND		0.50	0.24	ug/L			01/03/22 11:18	1
t-1,2-Dichloroethene	ND		0.50	0.36	ug/L			01/03/22 11:18	1
c-1,3-Dichloropropene	ND		0.50	0.19	ug/L			01/03/22 11:18	1
1,3-Dichlorobenzene	ND		0.50	0.26	ug/L			01/03/22 11:18	1
1,3-Dichloropropane	ND		0.50	0.20	ug/L			01/03/22 11:18	1
t-1,3-Dichloropropene	ND		0.50	0.17	ug/L			01/03/22 11:18	1
1,4-Dichlorobenzene	ND		0.50	0.22	ug/L			01/03/22 11:18	1
2,2-Dichloropropane	ND		0.50	0.40	ug/L			01/03/22 11:18	1
2-Chlorotoluene	ND		0.50	0.31	ug/L			01/03/22 11:18	1
4-Chlorotoluene	ND		0.50	0.34	ug/L			01/03/22 11:18	1
4-Methyl-2-pentanone	ND		5.0	2.2	ug/L			01/03/22 11:18	1
Acetone	ND		8.0	4.0	ug/L			01/03/22 11:18	1
Bromobenzene	ND		0.50	0.26	ug/L			01/03/22 11:18	1
Bromochloromethane	ND		1.0	0.35	ug/L			01/03/22 11:18	1
Bromoform	ND		0.50	0.39	ug/L			01/03/22 11:18	1
Bromomethane	ND		1.0	0.93	ug/L			01/03/22 11:18	1
Carbon disulfide	ND		1.0	0.24	ug/L			01/03/22 11:18	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			01/03/22 11:18	1
Chlorobenzene	ND		0.50	0.24	ug/L			01/03/22 11:18	1
Dibromochloromethane	ND		0.50	0.27	ug/L			01/03/22 11:18	1
Chloroethane	ND		0.50	0.44	ug/L			01/03/22 11:18	1
Chloroform	ND		0.50	0.28	ug/L			01/03/22 11:18	1
Chloromethane	ND		1.0	0.29	ug/L			01/03/22 11:18	1
Dibromomethane	ND		0.50	0.23	ug/L			01/03/22 11:18	1
Bromodichloromethane	ND		0.50	0.22	ug/L			01/03/22 11:18	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/03/22 11:18	1
1,2-Dibromoethane	ND		0.50	0.14	ug/L			01/03/22 11:18	1
Hexachloro-1,3-butadiene	ND		1.0	0.32	ug/L			01/03/22 11:18	1
Isopropylbenzene	ND		0.50	0.38	ug/L			01/03/22 11:18	1
2-Butanone	ND		5.0	3.0	ug/L			01/03/22 11:18	1
Methylene Chloride	ND		1.0	0.66	ug/L			01/03/22 11:18	1
2-Hexanone	ND		6.0	4.3	ug/L			01/03/22 11:18	1
Naphthalene	ND		1.0	0.32	ug/L			01/03/22 11:18	1
n-Butylbenzene	ND		0.50	0.29	ug/L			01/03/22 11:18	1
N-Propylbenzene	ND		0.50	0.18	ug/L			01/03/22 11:18	1
p-Isopropyltoluene	ND		0.50	0.28	ug/L			01/03/22 11:18	1
sec-Butylbenzene	ND		0.50	0.34	ug/L			01/03/22 11:18	1
Styrene	ND		0.50	0.28	ug/L			01/03/22 11:18	1
tert-Butylbenzene	ND		0.50	0.34	ug/L			01/03/22 11:18	1
Tetrachloroethene	ND		0.50	0.29	ug/L			01/03/22 11:18	1
Trichloroethene	ND		0.50	0.29	ug/L			01/03/22 11:18	1
Trichlorofluoromethane	ND		0.50	0.30	ug/L			01/03/22 11:18	1
Vinyl chloride	ND		0.50	0.40	ug/L			01/03/22 11:18	1

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 570-205013/6
Matrix: Water
Analysis Batch: 205013

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		68 - 135		01/03/22 11:18	1
4-Bromofluorobenzene (Surr)	89		71 - 120		01/03/22 11:18	1
Dibromofluoromethane (Surr)	108		80 - 120		01/03/22 11:18	1
Toluene-d8 (Surr)	96		80 - 120		01/03/22 11:18	1

Lab Sample ID: LCS 570-205013/3
Matrix: Water
Analysis Batch: 205013

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	9.710		ug/L		97	80 - 120
Toluene	10.0	9.984		ug/L		100	80 - 120
Ethylbenzene	10.0	10.60		ug/L		106	80 - 120
o-Xylene	10.0	11.05		ug/L		111	80 - 122
m,p-Xylene	20.0	21.75		ug/L		109	80 - 122
Methyl-t-Butyl Ether (MTBE)	10.0	10.56		ug/L		106	72 - 120
1,1-Dichloroethene	10.0	9.778		ug/L		98	72 - 120
1,2-Dichlorobenzene	10.0	9.875		ug/L		99	79 - 123
1,2-Dichloroethane	10.0	10.66		ug/L		107	71 - 137
Carbon tetrachloride	10.0	10.81		ug/L		108	69 - 145
Chlorobenzene	10.0	10.06		ug/L		101	80 - 120
1,2-Dibromoethane	10.0	10.14		ug/L		101	80 - 120
Hexachloro-1,3-butadiene	10.0	10.67		ug/L		107	76 - 141
Trichloroethene	10.0	9.801		ug/L		98	80 - 123
Vinyl chloride	10.0	11.03		ug/L		110	74 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	111		68 - 135
4-Bromofluorobenzene (Surr)	106		71 - 120
Dibromofluoromethane (Surr)	103		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-205013/4
Matrix: Water
Analysis Batch: 205013

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	9.394		ug/L		94	80 - 120	3	20
Toluene	10.0	9.537		ug/L		95	80 - 120	5	20
Ethylbenzene	10.0	10.14		ug/L		101	80 - 120	4	20
o-Xylene	10.0	10.50		ug/L		105	80 - 122	5	20
m,p-Xylene	20.0	21.12		ug/L		106	80 - 122	3	20
Methyl-t-Butyl Ether (MTBE)	10.0	10.25		ug/L		102	72 - 120	3	20
1,1-Dichloroethene	10.0	9.226		ug/L		92	72 - 120	6	20
1,2-Dichlorobenzene	10.0	9.575		ug/L		96	79 - 123	3	20
1,2-Dichloroethane	10.0	10.37		ug/L		104	71 - 137	3	20
Carbon tetrachloride	10.0	10.28		ug/L		103	69 - 145	5	20
Chlorobenzene	10.0	9.538		ug/L		95	80 - 120	5	20

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: LCSD 570-205013/4
Matrix: Water
Analysis Batch: 205013

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
1,2-Dibromoethane			10.0	9.637		ug/L		96	80 - 120	5	20
Hexachloro-1,3-butadiene			10.0	10.11		ug/L		101	76 - 141	5	23
Trichloroethene			10.0	9.458		ug/L		95	80 - 123	4	20
Vinyl chloride			10.0	10.49		ug/L		105	74 - 130	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*107*		*68 - 135*
4-Bromofluorobenzene (Surr)	*107*		*71 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*

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

Lab Sample ID: MB 570-203706/1-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 203706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		12/27/21 08:13	12/27/21 19:03	1
Acenaphthylene	ND		0.20	0.069	ug/L		12/27/21 08:13	12/27/21 19:03	1
Anthracene	ND		0.20	0.059	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		12/27/21 08:13	12/27/21 19:03	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		12/27/21 08:13	12/27/21 19:03	1
Chrysene	ND		0.20	0.059	ug/L		12/27/21 08:13	12/27/21 19:03	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		12/27/21 08:13	12/27/21 19:03	1
Fluoranthene	ND		0.20	0.068	ug/L		12/27/21 08:13	12/27/21 19:03	1
Fluorene	ND		0.20	0.075	ug/L		12/27/21 08:13	12/27/21 19:03	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		12/27/21 08:13	12/27/21 19:03	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		12/27/21 08:13	12/27/21 19:03	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		12/27/21 08:13	12/27/21 19:03	1
Naphthalene	ND		0.20	0.083	ug/L		12/27/21 08:13	12/27/21 19:03	1
Phenanthrene	ND		0.20	0.073	ug/L		12/27/21 08:13	12/27/21 19:03	1
Pyrene	ND		0.20	0.066	ug/L		12/27/21 08:13	12/27/21 19:03	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*75*		*33 - 144*	*12/27/21 08:13*	*12/27/21 19:03*	*1*
Nitrobenzene-d5 (Surr)	*75*		*28 - 139*	*12/27/21 08:13*	*12/27/21 19:03*	*1*
p-Terphenyl-d14 (Surr)	*93*		*23 - 160*	*12/27/21 08:13*	*12/27/21 19:03*	*1*

Lab Sample ID: LCS 570-203706/2-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203706

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene			2.00	1.574		ug/L		79	55 - 121

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: LCS 570-203706/2-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 203706

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthylene			2.00	1.483		ug/L		74	33 - 145		
Anthracene			2.00	1.807		ug/L		90	27 - 133		
Benzo[a]anthracene			2.00	1.756		ug/L		88	33 - 143		
Benzo[a]pyrene			2.00	1.477		ug/L		74	17 - 163		
Benzo[b]fluoranthene			2.00	1.414		ug/L		71	24 - 159		
Benzo[g,h,i]perylene			2.00	1.019		ug/L		51	25 - 157		
Benzo[k]fluoranthene			2.00	1.467		ug/L		73	24 - 159		
Chrysene			2.00	1.787		ug/L		89	17 - 168		
Dibenz(a,h)anthracene			2.00	1.067		ug/L		53	25 - 175		
Fluoranthene			2.00	1.722		ug/L		86	26 - 137		
Fluorene			2.00	2.144		ug/L		107	59 - 121		
Indeno[1,2,3-cd]pyrene			2.00	1.021		ug/L		51	25 - 175		
1-Methylnaphthalene			2.00	1.335		ug/L		67	20 - 140		
2-Methylnaphthalene			2.00	1.335		ug/L		67	21 - 140		
Naphthalene			2.00	1.199		ug/L		60	21 - 133		
Phenanthrene			2.00	1.617		ug/L		81	54 - 120		
Pyrene			2.00	1.982		ug/L		99	45 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*98*		*33 - 144*
Nitrobenzene-d5 (Surr)	*83*		*28 - 139*
p-Terphenyl-d14 (Surr)	*105*		*23 - 160*

Lab Sample ID: LCSD 570-203706/3-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203706

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			2.00	1.661		ug/L		83	55 - 121	5	25
Acenaphthylene			2.00	1.911		ug/L		96	33 - 145	25	25
Anthracene			2.00	1.811		ug/L		91	27 - 133	0	25
Benzo[a]anthracene			2.00	1.695		ug/L		85	33 - 143	4	25
Benzo[a]pyrene			2.00	1.738		ug/L		87	17 - 163	16	25
Benzo[b]fluoranthene			2.00	1.503		ug/L		75	24 - 159	6	25
Benzo[g,h,i]perylene			2.00	1.057		ug/L		53	25 - 157	4	25
Benzo[k]fluoranthene			2.00	1.575		ug/L		79	24 - 159	7	25
Chrysene			2.00	1.715		ug/L		86	17 - 168	4	25
Dibenz(a,h)anthracene			2.00	1.052		ug/L		53	25 - 175	1	25
Fluoranthene			2.00	1.745		ug/L		87	26 - 137	1	25
Fluorene			2.00	1.871		ug/L		94	59 - 121	14	25
Indeno[1,2,3-cd]pyrene			2.00	1.027		ug/L		51	25 - 175	1	25
1-Methylnaphthalene			2.00	1.564		ug/L		78	20 - 140	16	25
2-Methylnaphthalene			2.00	1.597		ug/L		80	21 - 140	18	25
Naphthalene			2.00	1.476		ug/L		74	21 - 133	21	25
Phenanthrene			2.00	1.656		ug/L		83	54 - 120	2	25
Pyrene			2.00	1.916		ug/L		96	45 - 129	3	25

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: LCSD 570-203706/3-A
Matrix: Water
Analysis Batch: 203787

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 203706

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*33 - 144*
Nitrobenzene-d5 (Surr)	*105*		*28 - 139*
p-Terphenyl-d14 (Surr)	*103*		*23 - 160*

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-208325/1-A
Matrix: Water
Analysis Batch: 208671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 208325

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000248	0.000124	mg/L		01/19/22 15:04	01/20/22 18:41	1

Lab Sample ID: LCS 570-208325/2-A
Matrix: Water
Analysis Batch: 208671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 208325

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0100	0.009441		mg/L		94	85 - 115

Lab Sample ID: LCSD 570-208325/3-A
Matrix: Water
Analysis Batch: 208671

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 208325

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0100	0.009472		mg/L		95	85 - 115	0	10

Lab Sample ID: 570-80051-2 MS
Matrix: Water
Analysis Batch: 208671

Client Sample ID: W-MW31
Prep Type: Total/NA
Prep Batch: 208325

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND	H	0.0100	0.009271		mg/L		93	70 - 130

Lab Sample ID: 570-80051-2 MSD
Matrix: Water
Analysis Batch: 208671

Client Sample ID: W-MW31
Prep Type: Total/NA
Prep Batch: 208325

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND	H	0.0100	0.009369		mg/L		94	70 - 130	1	10

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 440-664578/1-A
Matrix: Water
Analysis Batch: 664788

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 664578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		20.0	8.90	ug/L		01/17/22 07:02	01/18/22 20:43	1
Barium	ND		10.0	2.20	ug/L		01/17/22 07:02	01/18/22 20:43	1

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 440-664578/1-A
Matrix: Water
Analysis Batch: 664788

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 664578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	ND		5.00	0.940	ug/L		01/17/22 07:02	01/18/22 20:43	1
Chromium	ND		5.00	2.50	ug/L		01/17/22 07:02	01/18/22 20:43	1
Lead	ND		5.00	3.80	ug/L		01/17/22 07:02	01/18/22 20:43	1
Selenium	ND		20.0	8.70	ug/L		01/17/22 07:02	01/18/22 20:43	1
Silver	ND		10.0	5.00	ug/L		01/17/22 07:02	01/18/22 20:43	1

Lab Sample ID: LCS 440-664578/2-A
Matrix: Water
Analysis Batch: 664788

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 664578

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1000	991.9		ug/L		99	80 - 120
Barium	1000	999.3		ug/L		100	80 - 120
Cadmium	1000	1014		ug/L		101	80 - 120
Chromium	1000	1009		ug/L		101	80 - 120
Lead	1000	1004		ug/L		100	80 - 120
Selenium	1000	970.1		ug/L		97	80 - 120
Silver	500	504.0		ug/L		101	80 - 120

Lab Sample ID: 570-80805-I-4-B MS
Matrix: Water
Analysis Batch: 664788

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 664578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND		1000	1093		ug/L		109	75 - 125
Barium	88.0		1000	1119		ug/L		103	75 - 125
Cadmium	2.10	J	1000	996.4		ug/L		99	75 - 125
Chromium	ND		1000	1044		ug/L		104	75 - 125
Lead	ND		1000	1004		ug/L		100	75 - 125
Selenium	ND		1000	1024		ug/L		102	75 - 125
Silver	ND	F1	500	153.6	F1	ug/L		31	75 - 125

Lab Sample ID: 570-80805-I-4-C MSD
Matrix: Water
Analysis Batch: 664788

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 664578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND		1000	1129		ug/L		113	75 - 125	3	20
Barium	88.0		1000	1148		ug/L		106	75 - 125	3	20
Cadmium	2.10	J	1000	1021		ug/L		102	75 - 125	2	20
Chromium	ND		1000	1082		ug/L		108	75 - 125	4	20
Lead	ND		1000	1025		ug/L		103	75 - 125	2	20
Selenium	ND		1000	1040		ug/L		104	75 - 125	2	20
Silver	ND	F1	500	140.6	F1	ug/L		28	75 - 125	9	20

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: MB 570-206057/1
Matrix: Water
Analysis Batch: 206057

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			12/29/21 20:00	1

Lab Sample ID: LCS 570-206057/2
Matrix: Water
Analysis Batch: 206057

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	100	102.5		mg/L		103	84 - 108

Lab Sample ID: LCSD 570-206057/3
Matrix: Water
Analysis Batch: 206057

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	2	10

Lab Sample ID: 570-79995-A-2 DU
Matrix: Water
Analysis Batch: 206057

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	1280		1315		mg/L		3	10

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-205992/1
Matrix: Water
Analysis Batch: 205992

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		2.00	0.596	mg/L			01/06/22 15:03	1

Lab Sample ID: LCS 570-205992/2
Matrix: Water
Analysis Batch: 205992

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	100	103.1		mg/L		103	80 - 120

Lab Sample ID: LCSD 570-205992/3
Matrix: Water
Analysis Batch: 205992

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	103.3		mg/L		103	80 - 120	0	10

QC Sample Results

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

Job ID: 570-80051-1

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

Lab Sample ID: 570-78921-A-3 MS
Matrix: Water
Analysis Batch: 205992

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	81.8		100	182.8		mg/L		101	75 - 125

Lab Sample ID: 570-78921-A-3 MSD
Matrix: Water
Analysis Batch: 205992

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	81.8		100	185.5		mg/L		104	75 - 125	1	15

Lab Sample ID: 570-78921-A-3 DU
Matrix: Water
Analysis Batch: 205992

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chloride	81.8		82.15		mg/L		0.5	15

QC Association Summary

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

Job ID: 570-80051-1

GC/MS VOA

Analysis Batch: 204360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-5	TRIP BLANK	Total/NA	Water	8260B	
MB 570-204360/6	Method Blank	Total/NA	Water	8260B	
LCS 570-204360/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-204360/4	Lab Control Sample Dup	Total/NA	Water	8260B	
570-79789-A-6 MS	Matrix Spike	Total/NA	Water	8260B	
570-79789-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 204658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-2	W-MW31	Total/NA	Water	8260B	
570-80051-3	W-MW6	Total/NA	Water	8260B	
570-80051-4	W-MW3	Total/NA	Water	8260B	
MB 570-204658/6	Method Blank	Total/NA	Water	8260B	
LCS 570-204658/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-204658/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 205013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-1	W-MW10	Total/NA	Water	8260B	
MB 570-205013/6	Method Blank	Total/NA	Water	8260B	
LCS 570-205013/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-205013/4	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 203706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-2	W-MW31	Total/NA	Water	3510C	
570-80051-3	W-MW6	Total/NA	Water	3510C	
570-80051-4 - DL	W-MW3	Total/NA	Water	3510C	
570-80051-4	W-MW3	Total/NA	Water	3510C	
MB 570-203706/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-203706/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-203706/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 203787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-203706/1-A	Method Blank	Total/NA	Water	8270C SIM	203706
LCS 570-203706/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	203706
LCSD 570-203706/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	203706

Analysis Batch: 204705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-2	W-MW31	Total/NA	Water	8270C SIM	203706
570-80051-3	W-MW6	Total/NA	Water	8270C SIM	203706
570-80051-4	W-MW3	Total/NA	Water	8270C SIM	203706
570-80051-4 - DL	W-MW3	Total/NA	Water	8270C SIM	203706

QC Association Summary

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

Job ID: 570-80051-1

Metals

Prep Batch: 208325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-1	W-MW10	Total/NA	Water	245.1	
570-80051-2	W-MW31	Total/NA	Water	245.1	
570-80051-3	W-MW6	Total/NA	Water	245.1	
570-80051-4	W-MW3	Total/NA	Water	245.1	
MB 570-208325/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-208325/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-208325/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-80051-2 MS	W-MW31	Total/NA	Water	245.1	
570-80051-2 MSD	W-MW31	Total/NA	Water	245.1	

Analysis Batch: 208671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-1	W-MW10	Total/NA	Water	245.1	208325
570-80051-2	W-MW31	Total/NA	Water	245.1	208325
570-80051-3	W-MW6	Total/NA	Water	245.1	208325
570-80051-4	W-MW3	Total/NA	Water	245.1	208325
MB 570-208325/1-A	Method Blank	Total/NA	Water	245.1	208325
LCS 570-208325/2-A	Lab Control Sample	Total/NA	Water	245.1	208325
LCSD 570-208325/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	208325
570-80051-2 MS	W-MW31	Total/NA	Water	245.1	208325
570-80051-2 MSD	W-MW31	Total/NA	Water	245.1	208325

Prep Batch: 664578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-1	W-MW10	Total Recoverable	Water	3005A	
570-80051-2	W-MW31	Total Recoverable	Water	3005A	
570-80051-3	W-MW6	Total Recoverable	Water	3005A	
570-80051-4	W-MW3	Total Recoverable	Water	3005A	
MB 440-664578/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 440-664578/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
570-80805-I-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
570-80805-I-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 664788

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-1	W-MW10	Total Recoverable	Water	6010B	664578
570-80051-2	W-MW31	Total Recoverable	Water	6010B	664578
570-80051-3	W-MW6	Total Recoverable	Water	6010B	664578
570-80051-4	W-MW3	Total Recoverable	Water	6010B	664578
MB 440-664578/1-A	Method Blank	Total Recoverable	Water	6010B	664578
LCS 440-664578/2-A	Lab Control Sample	Total Recoverable	Water	6010B	664578
570-80805-I-4-B MS	Matrix Spike	Total Recoverable	Water	6010B	664578
570-80805-I-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010B	664578

General Chemistry

Analysis Batch: 205992

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-2	W-MW31	Total/NA	Water	SM 4500 Cl- C	
570-80051-3	W-MW6	Total/NA	Water	SM 4500 Cl- C	
570-80051-4	W-MW3	Total/NA	Water	SM 4500 Cl- C	

QC Association Summary

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

Job ID: 570-80051-1

General Chemistry (Continued)

Analysis Batch: 205992 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 570-205992/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-205992/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-205992/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-78921-A-3 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-78921-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-78921-A-3 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 206057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-80051-2	W-MW31	Total/NA	Water	SM 2540C	
570-80051-3	W-MW6	Total/NA	Water	SM 2540C	
570-80051-4	W-MW3	Total/NA	Water	SM 2540C	
MB 570-206057/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-206057/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-206057/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-79995-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Lab Chronicle

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

Job ID: 570-80051-1

Client Sample ID: W-MW10
Date Collected: 12/22/21 07:45
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	205013	01/03/22 16:55	N1A	ECL 2
	Instrument ID: GCMSVV									
Total/NA	Prep	245.1			50 mL	100 mL	208325	01/19/22 15:04	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208671	01/20/22 18:54	VWJ7	ECL 1
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			25 mL	25 mL	664578	01/17/22 07:02		IRV 2
Total Recoverable	Analysis	6010B		1			664788	01/18/22 21:29	P1R	IRV 2
	Instrument ID: ICP8									

Client Sample ID: W-MW31
Date Collected: 12/22/21 08:27
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204658	12/30/21 13:45	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1056.7 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 13:05	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208325	01/19/22 15:04	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208671	01/20/22 18:46	VWJ7	ECL 1
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			25 mL	25 mL	664578	01/17/22 07:02		IRV 2
Total Recoverable	Analysis	6010B		1			664788	01/18/22 21:39	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW6
Date Collected: 12/22/21 09:39
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204658	12/30/21 14:11	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1038.2 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 13:25	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208325	01/19/22 15:04	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208671	01/20/22 18:52	VWJ7	ECL 1
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			25 mL	25 mL	664578	01/17/22 07:02		IRV 2
Total Recoverable	Analysis	6010B		1			664788	01/18/22 21:42	P1R	IRV 2
	Instrument ID: ICP8									

Lab Chronicle

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

Job ID: 570-80051-1

Client Sample ID: W-MW6
Date Collected: 12/22/21 09:39
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: W-MW3
Date Collected: 12/22/21 10:43
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	20 mL	20 mL	204658	12/30/21 14:37	UJHB	ECL 2
	Instrument ID: GCMSL									
Total/NA	Prep	3510C			1026.6 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM		1			204705	12/30/21 13:44	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	3510C	DL		1026.6 mL	2 mL	203706	12/28/21 08:21	OAJ3	ECL 1
Total/NA	Analysis	8270C SIM	DL	5			204705	12/30/21 15:12	AJ2Q	ECL 1
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			50 mL	100 mL	208325	01/19/22 15:04	VWJ7	ECL 4
Total/NA	Analysis	245.1		1			208671	01/20/22 18:56	VWJ7	ECL 1
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			25 mL	25 mL	664578	01/17/22 07:02		IRV 2
Total Recoverable	Analysis	6010B		1			664788	01/18/22 21:45	P1R	IRV 2
	Instrument ID: ICP8									
Total/NA	Analysis	SM 2540C		1	20 mL	20 mL	206057	12/29/21 20:00	VWM4	ECL 1
	Instrument ID: BAL87									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	205992	01/06/22 15:03	WN6Y	ECL 1
	Instrument ID: NOEQUIP									

Client Sample ID: TRIP BLANK
Date Collected: 12/22/21 00:00
Date Received: 12/23/21 10:00

Lab Sample ID: 570-80051-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	204360	12/29/21 14:12	P3GT	ECL 2
	Instrument ID: GCMSUU									

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494
ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-80051-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience

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

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

Laboratory: Eurofins Calscience Tustin

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

Authority	Program	Identification Number	Expiration Date
California	State	2706	06-30-22

Method Summary

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

Job ID: 570-80051-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 2
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 1
245.1	Mercury (CVAA)	EPA	ECL 1
6010B	Metals (ICP)	SW846	IRV 2
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 1
SM 4500 Cl- C	Chloride, Total	SM	ECL 1
245.1	Preparation, Mercury	EPA	ECL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	IRV 2
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 1
5030C	Purge and Trap	SW846	ECL 2

Protocol References:

EPA = US Environmental Protection Agency
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

ECL 1 = Eurofins Calscience Lincoln, 7440 Lincoln Way, Garden Grove, CA 92841, TEL (714)895-5494
ECL 2 = Eurofins Calscience Lampson, 7445 Lampson Ave, Garden Grove, CA 92841, TEL (714)895-5494
ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494
IRV 2 = Eurofins Calscience Tustin Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (949)261-1022

de Guia, Cecile

From: James Anderson <james.anderson@cardno.com>
Sent: Thursday, January 27, 2022 4:51 PM
To: de Guia, Cecile
Cc: Gonzalez, Homero
Subject: RE: ExxonMobil Gladiola Station

EXTERNAL EMAIL*

Cecile,

We've plenty of historical data for alkalinity, so please cancel do not proceed with the analyses.

Note in the report about the hold time issue.

Thank you

James Anderson
SENIOR PROGRAM MANAGER/BUSINESS UNIT LEADER A&R SOUTH
GLOBAL SENIOR PRINCIPAL - ASSESSMENT & REMEDIATION (D&D)
CARDNO

Direct +1 805 644 4157 Mobile +1 805 701 1420 Fax +1 805 644 5610
Address 4572 Telephone Road #916, Ventura, California 93003
Email james.anderson@cardno.com Web www.cardno.com

From: de Guia, Cecile <Cecile.deGuia@eurofinset.com>
Sent: Thursday, January 27, 2022 1:59 PM
To: James Anderson <james.anderson@cardno.com>
Subject: ExxonMobil Gladiola Station

Good afternoon James,
I just found out and sad to break the news that Hold Time for Alkalinity samples were missed for Gladiola Station site. There were total of 12 samples. Mainly due to instrument broke down and the lab was over capacity with stormwater samples in December.
Please advise if you still want us to proceed with the analysis or cancel.
I apologize for the inconvenience this may have caused.

Thank you.

Best regards,
Cecile de Guia
Project Manager

Eurofins Calscience
7440 Lincoln Way
Garden Grove, Ca 92841
USA
P: +1 714 895 5494
F: +1 714 894 7501

Cecile.deGuia@eurofinset.com
www.EurofinsUS.com/Calscience

80051

eurofins | Calscience

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

Site Name	[redacted]
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: 10/22/21
PAGE: 1 OF 1 2

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno
ADDRESS: 4572 Telephone Road #916
CITY: Ventura, CA 93003
TEL: 805 701 1420 FAX: 949-457-8956 James.Anderson@cardno.com

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

EMES Sub Agreement #A2604415
LAB USE ONLY
COOLER RECEIPT Temp = _____ °C

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

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

SPECIAL INSTRUCTIONS:
New Mexico Site

Report J values.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba, Cd, Cr, Pb, Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	W-MW10	MW10	12/22/21	07:45	W	4	X		X	·		3 vials with HCl, s 250mL Plastic with HNO3
2	W-MW31	MW31	12/22/21	08:27	W	7	X	X	X	X	X	3 vials with HCl, 2-1L Amber Glass, 250mL Plastic with HNO3, [redacted] 1L Plastic
3	W-MW6	MW6	12/22/21	09:39	W	7	X	X	X	X	X	3 vials with HCl, 2-1L Amber Glass, 250mL Plastic with HNO3, [redacted] 1L Plastic
4	W-MW3	MW3	12/22/21	10:43	W	7	X	X	X	X	X	3 vials with HCl, 2-1L Amber Glass 250mL Plastic with HNO3, [redacted] 1L Plastic
5	TRIP BLANK	QCTB	12/22/21	—	W	3	X					3 vials with HCl,
6					W	7						3 vials with HCl, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
7					W	7						3 vials with HCl, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
8					W	7						3 vials with HCl, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
9					W	7						3 vials with HCl, 2-1L Amber Glass 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
10					W	7						3 vials with HCl, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
11					W	7						3 vials with HCl, 2-1L Amber Glass, 250mL Plastic with HNO3, 250mL Plastic, 1L Plastic
12					W	7						3 vials with HCl, 2-1L Amber Glass, 250mL Plastic with HNO3 250mL Plastic, 1L Plastic

570-80051 Chain of Custody

Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 12/23/21 1000
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time:

COC\Gladiola Station-NM Site COC-16 samples.xls

3.9/4 8 5 5

570-80051 Waybill

Signature:

Date: 12/22/21

ORIGIN ID:HOBA (949) 457-8950
CALSCIENCE ENVIRONMENTAL LAB
7440 LINCOLN WAY
GARDEN GROVE, CA 92841
UNITED STATES US

SHIP DATE: 22DEC
ACTWGT: 54.50 LB
CAD: 6984246/SSF
DIMS: 22x13x13 I

BILL THIRD PARTY

TO
EUROFINS
7440 LINCOLN WAY
GARDEN GROVE CA 92841
(949) 457-8950
DEPT.
INV:
PO:
REF:

THU - 23 DE
STANDARD OVI

TRK# 0200 8166 8676 5640

U3 APVA

CUSTOD SEAL

CA-U

ENVIRONMENTAL SAMPLING SUPPLY
www.essvial.com 800-233-8425

Eurofins Calscience LLC
7440 Lincoln Way
Garden Grove, CA 92841
Phone 714-895-5494 Fax 714-894-7501

Chain of Custody Record

eurofins Environment Testing America

Client Information (Sub Contract Lab)	Sampler	Lab PM: de Guia, Cecile	Carrier Tracking No(s)	COC No: 570-149774 1
Client Contact: Shipping/Receiving	Phone	E-Mail: Cecile deGuia@eurofinset com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 570-80051-1
Address: 2841 Dow Avenue, ,	Due Date Requested: 1/6/2022			
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	PO #:			
Email	WO #			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F MeOH	R Na2S2O3
G Amchlor	S - H2SO4
H Ascorbic Acid	T TSP Dodecahydrate
I - Ice	U Acetone
J DI Water	V MCAA
K EDTA	W pH 4-5
L EDA	Z other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3005A (MOD) Custom Pick List	245.1/245 1_Prep Mercury	Total Number of containers	Special Instructions/Note
			Preservation Code:							
W-MW10 (570-80051-1)	12/22/21	07 45 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW31 (570-80051-2)	12/22/21	08 27 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW6 (570-80051-3)	12/22/21	09 39 Mountain		Water			X	X	1	Follow QAPP 0148
W-MW3 (570-80051-4)	12/22/21	10 43 Mountain		Water			X	X	1	Follow QAPP 0148

Note: Since laboratory accreditations are subject to change Eurofins Southwest places the ownership of method analyte & accreditation compliance upon out subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed the samples must be shipped back to the Eurofins Southwest laboratory or other instructions will be provided Any changes to accreditation status should be brought to Eurofins Southwest attention immediately If all requested accreditations are current to date return the signed Chain of Custody attesting to said complicance to Eurofins Southwest.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements: IR-90 2.6/21

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1		1-8-2022	ECI			
2	Relinquished by:	Date/Time:	Company	Received by: Olga Ornelas	Date/Time: 1/8/22 1230	Company: EDT
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Custody Seal No.: Temperature(s) °C and Other Remarks

Eurofins Calscience
7440 Lincoln Way
Garden Grove CA 92841
Phone 714-895-5494 Fax: 714-894-7501

Chain of Custody Record

eurofins

Client Information (Sub Contract Lab)	Sampler	Lab PM	Carrier Tracking No(s)	COC No
		de Guia, Cecile		570-153417 1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Cecile deGuia@eurofinset.com	State of Origin: New Mexico	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note) NELAP - Oregon		Job #: 570-80051-1
Address: 2841 Dow Avenue, ,	Due Date Requested 1/6/2022			
City: Tustin	TAT Requested (days)			
State, Zip: CA, 92780				
Phone: 949-261-1022(Tel) 949-260-3297(Fax)	PO #:			
Email:	WO #:			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B/3005A (MOD) Custom Pick List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
W-MW31 (570-80051-2)	12/22/21	08 27 Mountain		Water			X	1	Follow QAPP 0148
W-MW6 (570-80051-3)	12/22/21	09 39 Mountain		Water			X	1	Follow QAPP 0148
W-MW3 (570-80051-4)	12/22/21	10 43 Mountain		Water			X	1	Follow QAPP 0148

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southwest, LLC places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southwest, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Environment Testing Southwest, LLC

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II III, IV Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements IR-90 62/57

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time:	Company
1	[signature]	01/27/22 1412	EC			
2				Olga Oinelas	01/27/22 1412	EAT
3						

Custody Seals Intact: Custody Seal No

Cooler Temperature(s) °C and Other Remarks.

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-80051-1

Login Number: 80051
List Number: 1
Creator: Ramos, Maribel

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?	False	Refer to Job Narrative for details.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-80051-1

Login Number: 80051
List Number: 2
Creator: Ornelas, Olga

List Source: Eurofins Calscience Tustin
List Creation: 01/08/22 12:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
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?	N/A	Received project as a subcontract.
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.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX C

DISPOSAL DOCUMENTATION

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
D0035		805-644-4157	015252649 FLE

GENERATOR

5. Generator's Name and Mailing Address
ExxonMobil Pipeline Company
c/o Cardno 4572 Telephone Road #916
Ventura, CA 93003 805-644-4157
Generator's Phone:

Generator's Site Address (if different than mailing address)
Gladiola-Copeland Rd. & Hwy 39
Tatum, NM 88267

6. Transporter 1 Company Name
Alamo 1
U.S. EPA ID Number
TXR000060442

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Abilene Environmental Landfill
19841 FM 3034
Abilene, TX 79601
325 437-3093
Facility's Phone:
U.S. EPA ID Number
TXR000084585

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Class 1 IDW Soil	2	DM	800	P	OUTS3191
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
Job Number: 26222739
Alamo 1 Job # AR21-0010

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JOSE VASQUEZ
Signature: ON BEHALF OF ExxonMobil
Month: 12 Day: 22 Year: 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Justin Newman
Signature: Justin Newman
Month: 12 Day: 22 Year: 21

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Taylor Buchanan
Signature: Taylor Buchanan
Month: 12 Day: 22 Year: 21

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

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 409551

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409551
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Second Half of 2021 Groundwater Monitoring and Status Report accepted for the record, App ID 409551. Former Gladiola Station.	12/11/2024