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January 5, 2023
File: 238000257.1H22

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

Reference: First Half 2022 Groundwater Monitoring and Status Report, Former Gladiola Station, Lea County, New Mexico, OCD No. AP038

Dear Mr. Billings,

At the request of ExxonMobil Environmental and Property Solutions, on behalf of ExxonMobil Pipeline Company LLC, Stantec Consulting Services Inc. (Stantec) is submitting the *First Half 2022 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 contact me using the contact information listed below.

Regards,

Stantec

James Anderson

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c. Mr. Jeff Johnson, ExxonMobil Environmental and Property Solutions Company

Stantec

First Half 2022 Groundwater Monitoring and Status Report

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

January 5, 2023

Prepared for:

ExxonMobil Environmental and Property Solutions Company

Prepared by:

Stantec Consulting Services Inc.

File: 238000257.1H22

FIRST HALF 2022 GROUNDWATER MONITORING AND STATUS REPORT
Former Gladiola Station

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James Anderson
Senior Program Manager James Anderson
(signature)

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Acronyms

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	Facility-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

1.0 INTRODUCTION

At the request of ExxonMobil Environmental and Property Solutions, on behalf ExxonMobil Pipeline Company LLC (ExxonMobil), Stantec Consulting Services Inc. (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.

2.0 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).

3.0 GEOLOGY AND HYDROGEOLOGY

The site is 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 DTW beneath the site has ranged historically from approximately 29 to 43 feet bgs (AECOM, 2014a).

4.0 REGULATORY FRAMEWORK AND SITE CLASSIFICATION

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

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

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

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

Location	Usage	Owner
Approximately 0.5 mile northeast	Livestock watering well	Tommy Burrus
Between approximately 0.5 – 0.75 mile	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

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.

5.0 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 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 well MW-15 at a thickness of 0.16 foot. On October 11, 2011, NAPL thickness increased in well MW-15 to 2.24 feet. In addition, NAPL was observed in well MW-13, northwest of well MW-15, at a thickness of 0.95 foot. By October 2012, NAPL thickness increased in well MW-15 to 3.35 feet and was first observed in off-site 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 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, including the installation of wells MW-1 through MW-3. NAPL was encountered in the wells. A water well search was 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 wells MW-4 through MW-10, and conducted a site-wide groundwater monitoring and sampling event. NAPL was encountered in wells MW-1, MW-2, and MW-3 (AECOM, 2014a).

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

August 2009. Kleinfelder oversaw the installation of 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, installed temporary wells in the borings, and sampled the temporary wells. Measurable NAPL was not encountered in the wells (AECOM, 2014a).

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

June 18-26, 2018. Cardno oversaw the installation of 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 (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. The data indicated that hydrocarbons related to the Centurion May 2007 release were still present on site (AECOM, 2014a).

October 12-13, 2011. GES gauged and sampled wells MW-1 through MW-22. Wells with NAPL were gauged and bailed (AECOM, 2014a).

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

February 22, 2012. GES gauged and sampled wells MW-1 through MW-26. Wells with NAPL were gauged and bailed (AECOM, 2014a).

July 17, 2012. GES performed groundwater monitoring and sampling activities. 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 wells and select site features (AECOM, 2014a).

October 3, 2012. GES performed groundwater monitoring and sampling activities. 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 groundwater monitoring and sampling, including the removal of bailed NAPL. Approximately 17 gallons of NAPL were recovered from affected wells. Well MW-8 was not found and was presumed to be destroyed. Large pieces of concrete were found in the vicinity of the well (AECOM, 2014a).

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

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

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

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

April 26-27, 2016. Cardno conducted groundwater monitoring and sampling (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 groundwater monitoring and sampling (Cardno, 2017a).

May 24-25, 2017. Cardno conducted groundwater monitoring and sampling (Cardno, 2017b).

November 28-30, 2017. Cardno conducted groundwater monitoring and sampling and 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 wells. Cardno collected additional DTW and depth to product measurements from select bailed wells (Cardno, 2018a).

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

October 1, 2019. Cardno conducted groundwater monitoring and sampling (Cardno, 2019b).

June 23, 2020. Cardno conducted groundwater monitoring and sampling (Cardno, 2020).

December 14-17, 2020. Cardno conducted groundwater monitoring and sampling 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 groundwater monitoring and sampling 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).

December 20-22, 2021. Cardno conducted groundwater monitoring and sampling and bailed 22 gallons of a NAPL-water mixture from wells MW-1, MW-4, MW-5, MW-9, MW-12 through MW-16, MW-18 through MW-21, and MW-23 through MW-26 (Cardno, 2022).

6.0 FIELD ACTIVITIES

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

6.1 MONITORING WELL GAUGING AND PURGING

From May 24 to 26, 2022, wells MW-1 through MW-32 were gauged except for well MW-8. Well MW-8 was not located and is presumed to have been destroyed in 2013.

At the beginning of the groundwater monitoring event, the 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 DTW was measured to the nearest 0.01 foot with an electronic oil/water interface probe. Groundwater elevations were calculated by subtracting the DTW 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 wells were purged using low-flow sampling techniques. Samples were collected once field parameters stabilized. Submersible pumps were used for purging the wells and the flow rate was adjusted to minimize drawdown. Water quality measurements including temperature, pH, conductivity, DO, and ORP were recorded via the use of a flow-through cell and a YSI multi-parameter meter. The sample intake was positioned at the approximate middle of the well screen.

6.2 MONITORING WELL SAMPLING

From May 24 to 26, 2022, groundwater samples were collected from the 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 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 Methods 6010B and 7470A, chloride using Standard Method 4500 CI-E, and TDS using Standard Method 2540C.

6.3 NAPL BAILING

From May 24 to 26, 2022, NAPL was bailed from the wells with NAPL, as detailed in Table 8.

6.4 WASTE MANAGEMENT

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

7.0 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 0.01 foot (MW-1 and MW-9) to 1.84 feet (MW-26).

Measured groundwater levels in the wells ranged from 36.81 feet below TOC (well MW-3) to 42.10 feet below TOC (MW-26). The groundwater flow direction was to the northeast (Plate 3). The groundwater surface elevations and NAPL thicknesses for the wells are summarized in Table 1 and illustrated on the DTW versus time Graphs MW-1 through MW-32.

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

- **MW-3:** Benzene, total naphthalene, barium, and TDS (fourth time well has been sampled since 2009 due to the presence of NAPL).
- **MW-11:** TDS (stable trend).
- **MW-17:** Benzene, ethylbenzene, total naphthalene, barium, and TDS (stable trend).
- **MW-27:** Chloride (stable trend).
- **MW-28:** TDS (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.

8.0 CONCLUSIONS

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

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

Dissolved-phase concentrations in the wells were consistent with historical results.

9.0 RECOMMENDATIONS AND WORK IN PROGRESS

Stantec recommends the following activities be performed in 2023:

- Continue periodic groundwater monitoring.
- Delineate the extent of LNAPL to the south of well MW-19 and northeast/northwest of well MW-26.
- Continue evaluating potential source(s) of the LNAPL.
- Submit semi-annual groundwater monitoring reports.

10.0 REFERENCES

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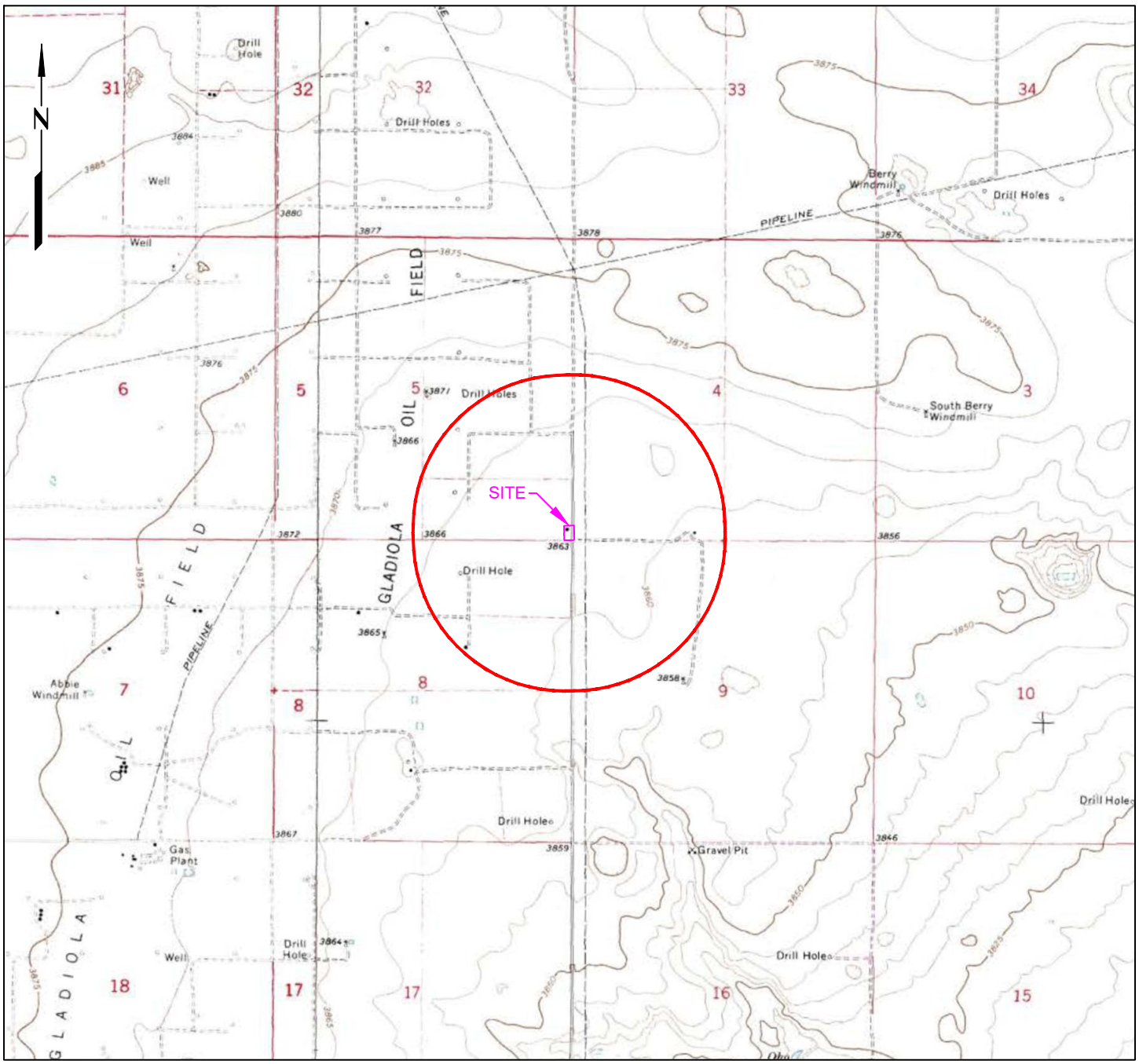
New Mexico Oil Conservation Division (NMOCD). August 13, 1993. *Guidelines for Remediation of Spills, Leaks, and Releases.*

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



FN 238000257.TOPO04

EXPLANATION

1/2-mile distance from property border

APPROXIMATE SCALE

0 0.5 1 MILES

SOURCE: Modified from a map provided by MapPass

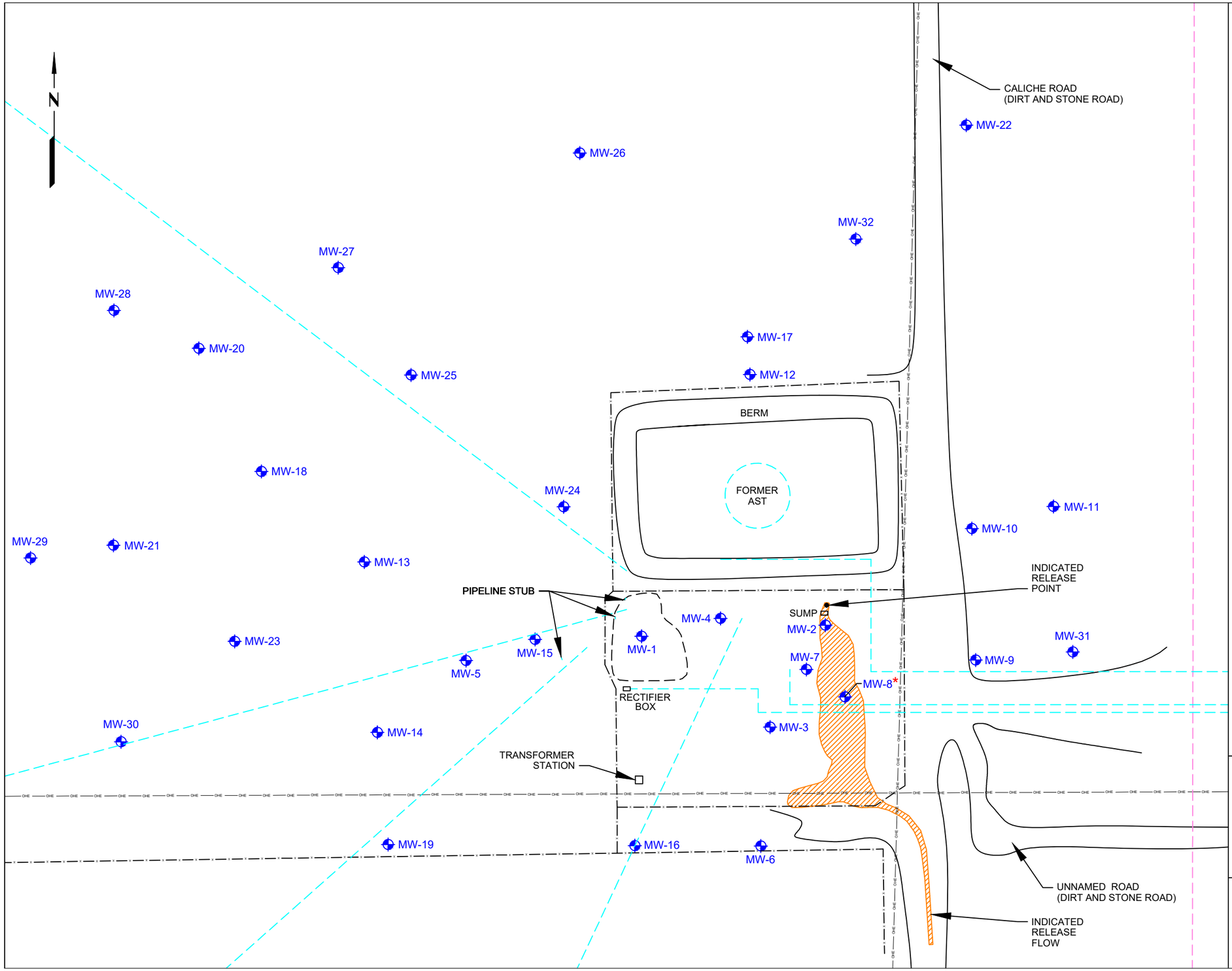
Stantec

SITE LOCATION MAP

GLADIOLA STATION
Lea County, New Mexico

PROJECT NO. 238000257

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
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APPROXIMATE SCALE

0 60 120
FEET

FN 2380002570002

GENERALIZED SITE PLAN

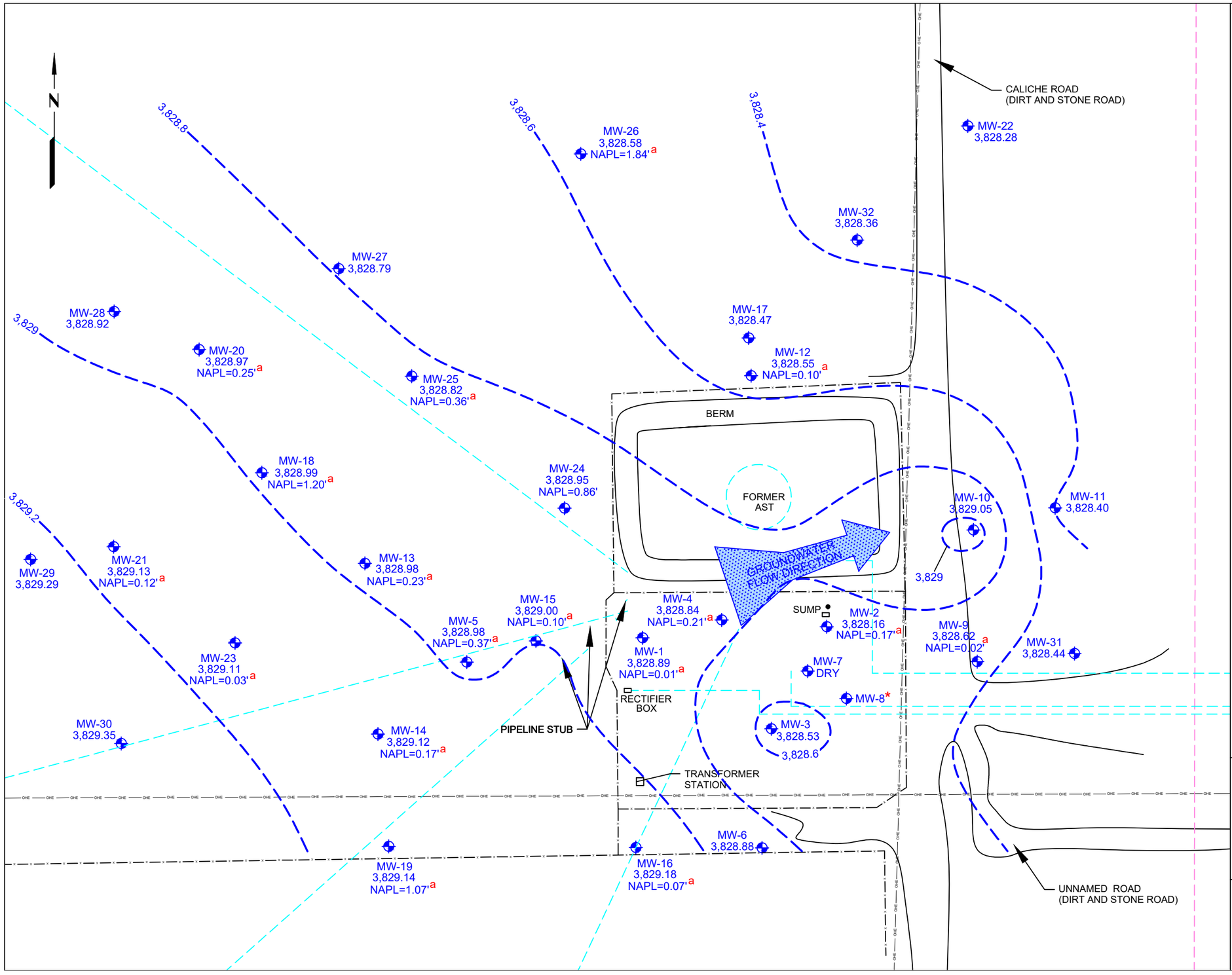
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
238000257

PLATE
2

DATE: 01/04/23



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=1.20'	Non-aqueous phase liquid thickness in feet
	Line of equal groundwater elevation
	Overhead electric line
	Fence
	Active pipeline
	Inactive pipeline

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

APPROXIMATE SCALE

0 60 120
FEET

FN 2380002570002

GROUNDWATER ELEVATION MAP 05/24-26/22

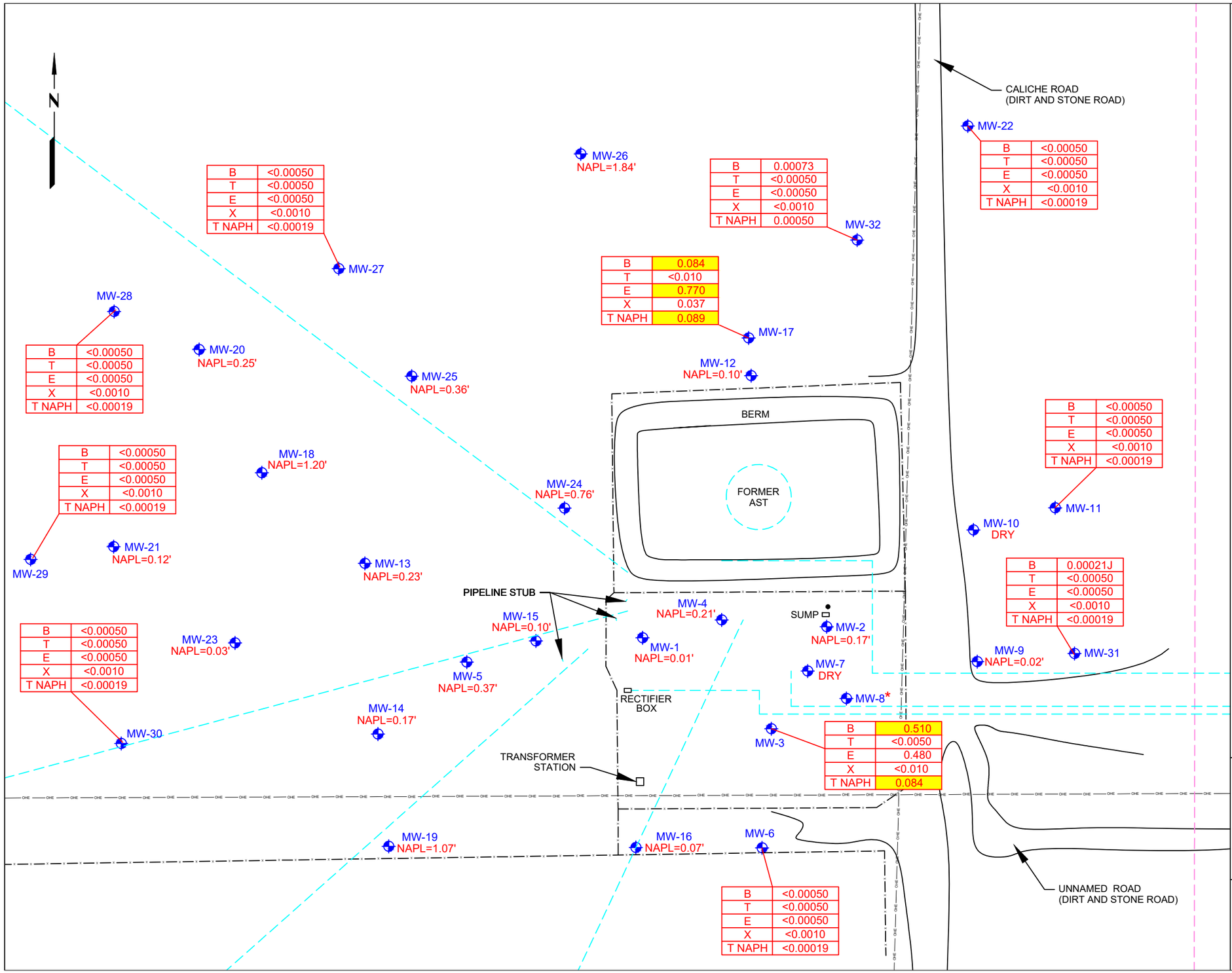
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
238000257

PLATE
3

DATE: 01/04/23



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.84'	Non-aqueous phase liquid thickness in feet
<	Less than the stated laboratory reporting limit
0.770	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
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APPROXIMATE SCALE

0 60 120
FEET

FN 2380002570002

GROUNDWATER ANALYTICAL RESULTS - PETROLEUM HYDROCARBONS 05/24-26/22

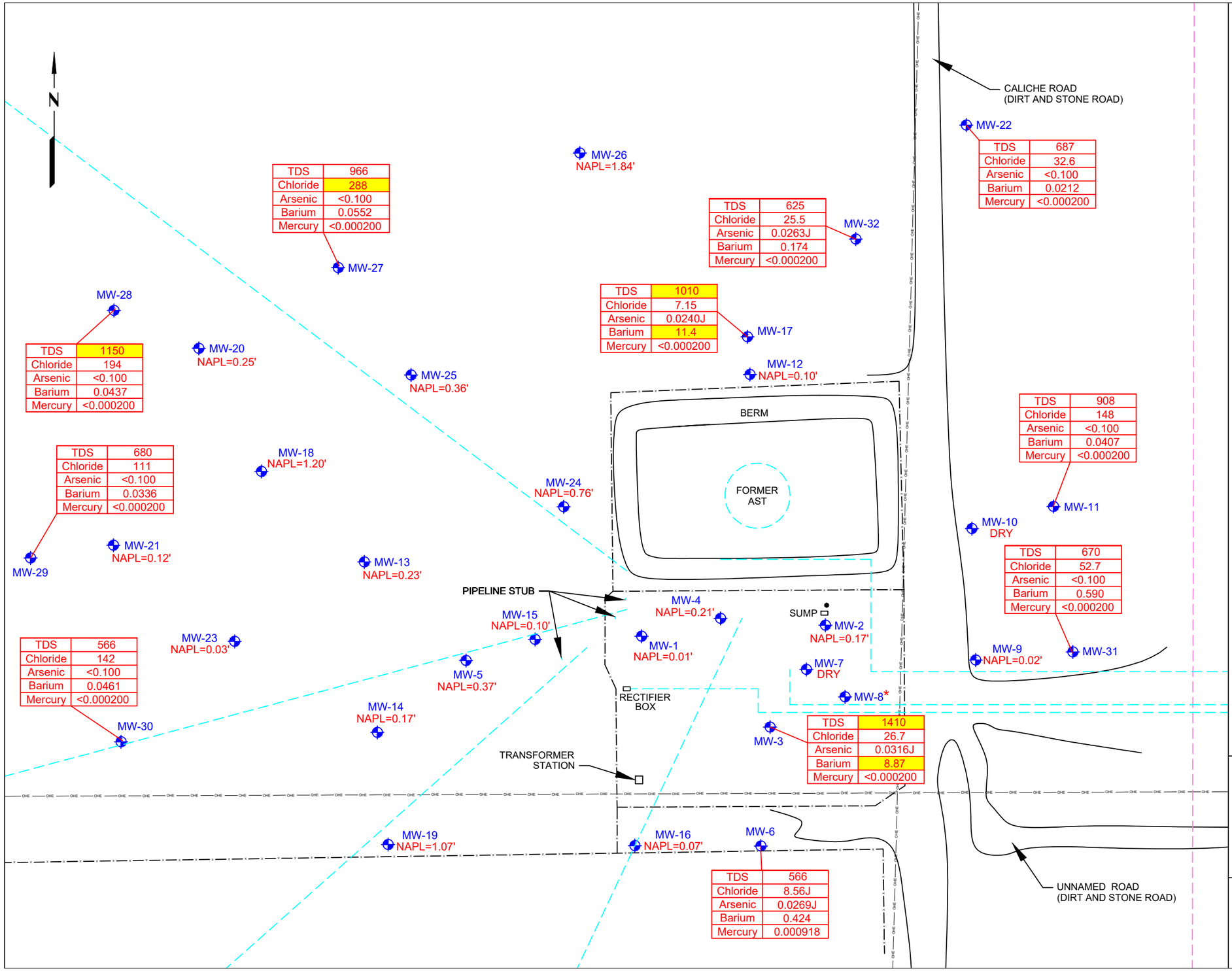
GLADIOLA STATION
Lea County, New Mexico

Stantec

PROJECT NO.
238000257

PLATE
4

DATE: 01/04/23



EXPLANATION

MW-32	Groundwater monitoring well
*	Well is presumed to have been destroyed
<	Less than the stated laboratory reporting limit
J	Estimated value between method detection limit and practical quantitation limit
NAPL=1.84'	Non-aqueous phase liquid thickness in feet
1410	Exceeds NMED WQCC HHS (1000 mg/l for TDS) (250 mg/l for chloride) (0.1 mg/l for arsenic) (1 mg/l for barium) (0.002 mg/l for mercury)
TDS	Total dissolved solids
Chloride	Chloride
Arsenic	Arsenic
Barium	Barium
Mercury	Mercury

All sample results are listed in milligrams per liter

Overhead electric line

Fence

Active pipeline

Inactive pipeline

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

0 60 120
FEET

FN 2380002570002

GROUNDWATER ANALYTICAL RESULTS - METALS AND ADDITIONAL PARAMETERS 05/24-26/22

GLADIOLA STATION
Lea County, New Mexico

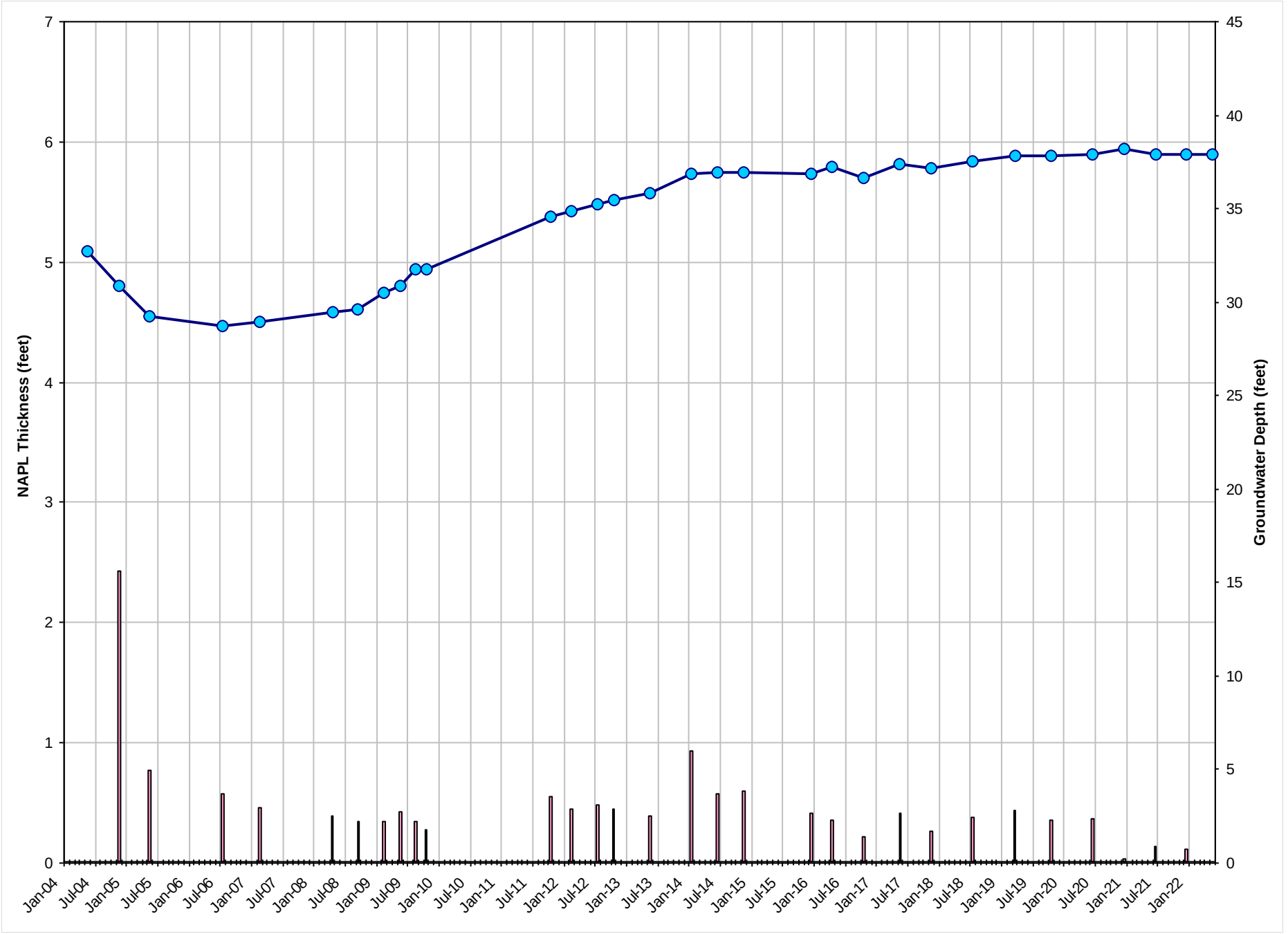
Stantec

PROJECT NO.
238000257

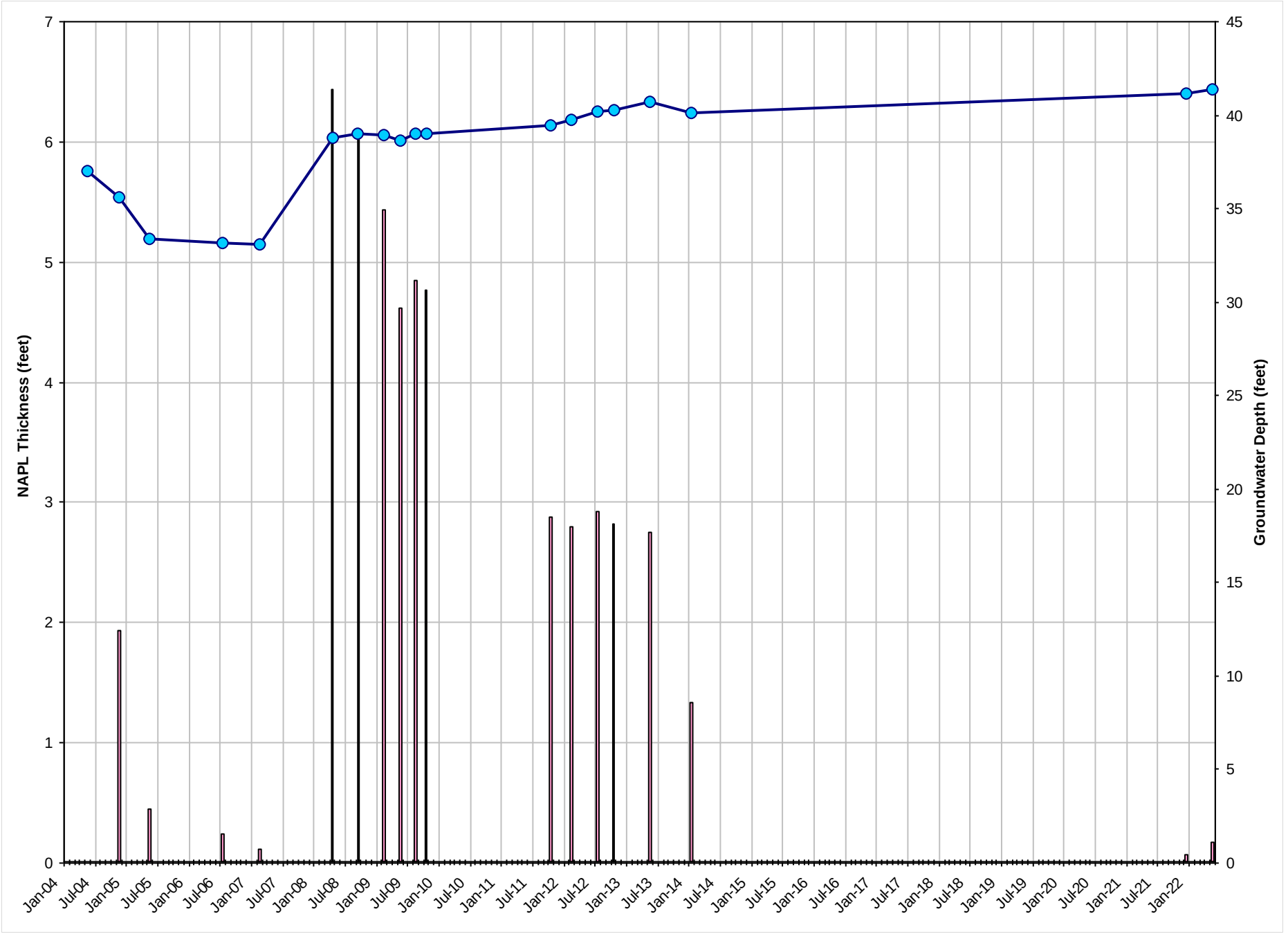
PLATE
5

DATE: 01/04/23

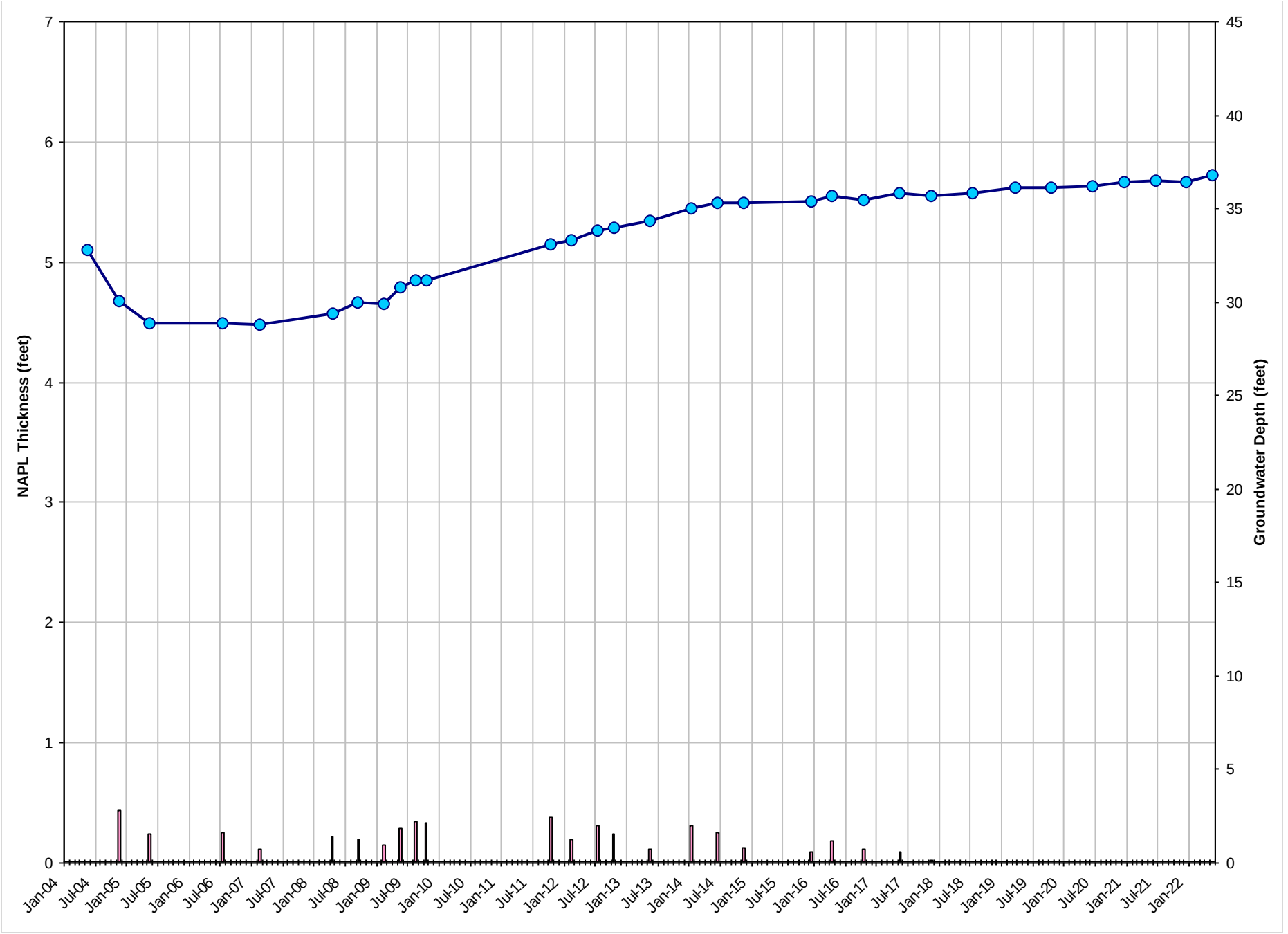
GRAPH 1
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-1
Gladiola Station
Lea County, New Mexico



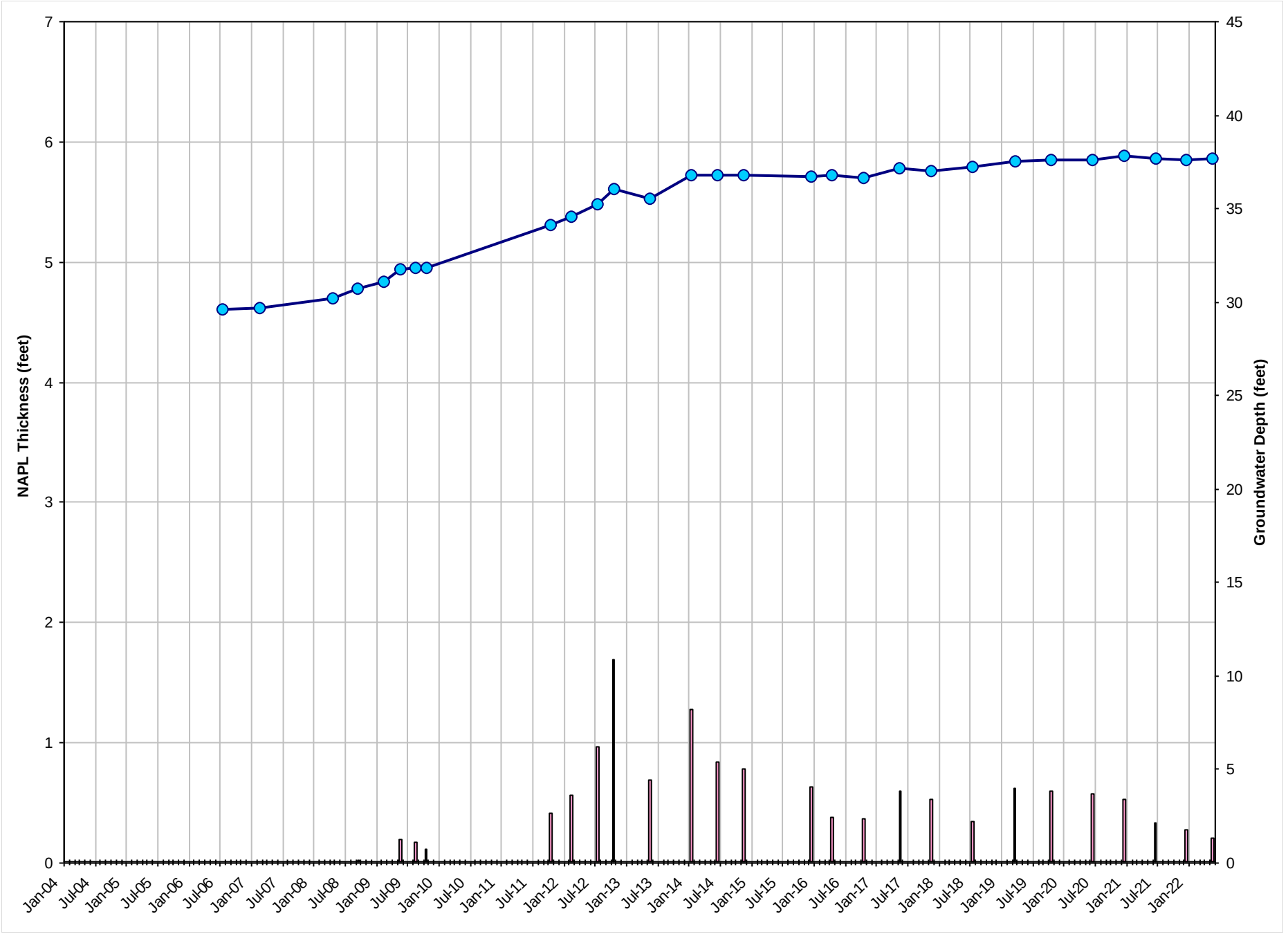
GRAPH 2
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-2
Gladiola Station
Lea County, New Mexico



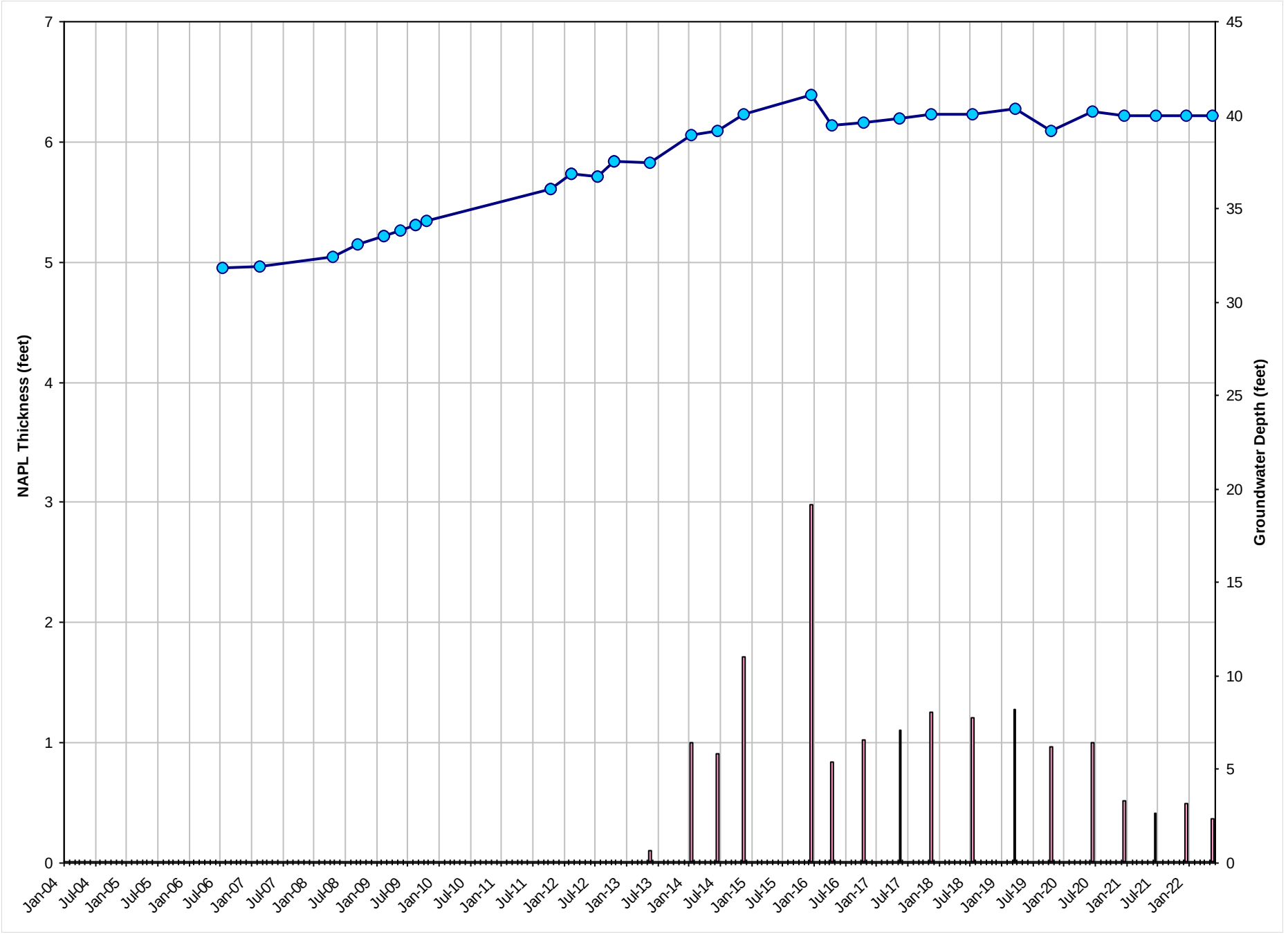
GRAPH 3
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-3
Gladiola Station
Lea County, New Mexico



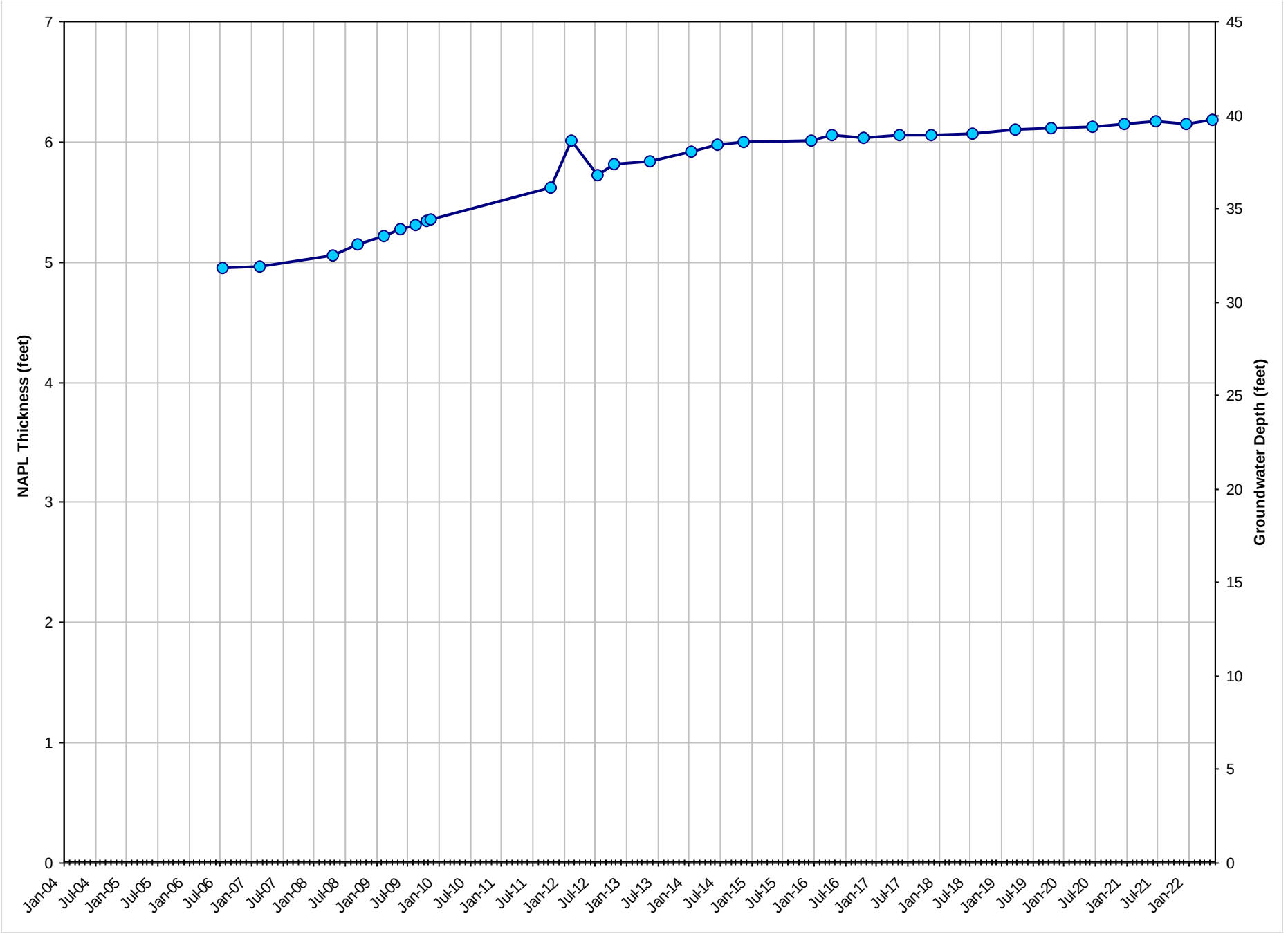
GRAPH 4
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-4
Gladiola Station
Lea County, New Mexico



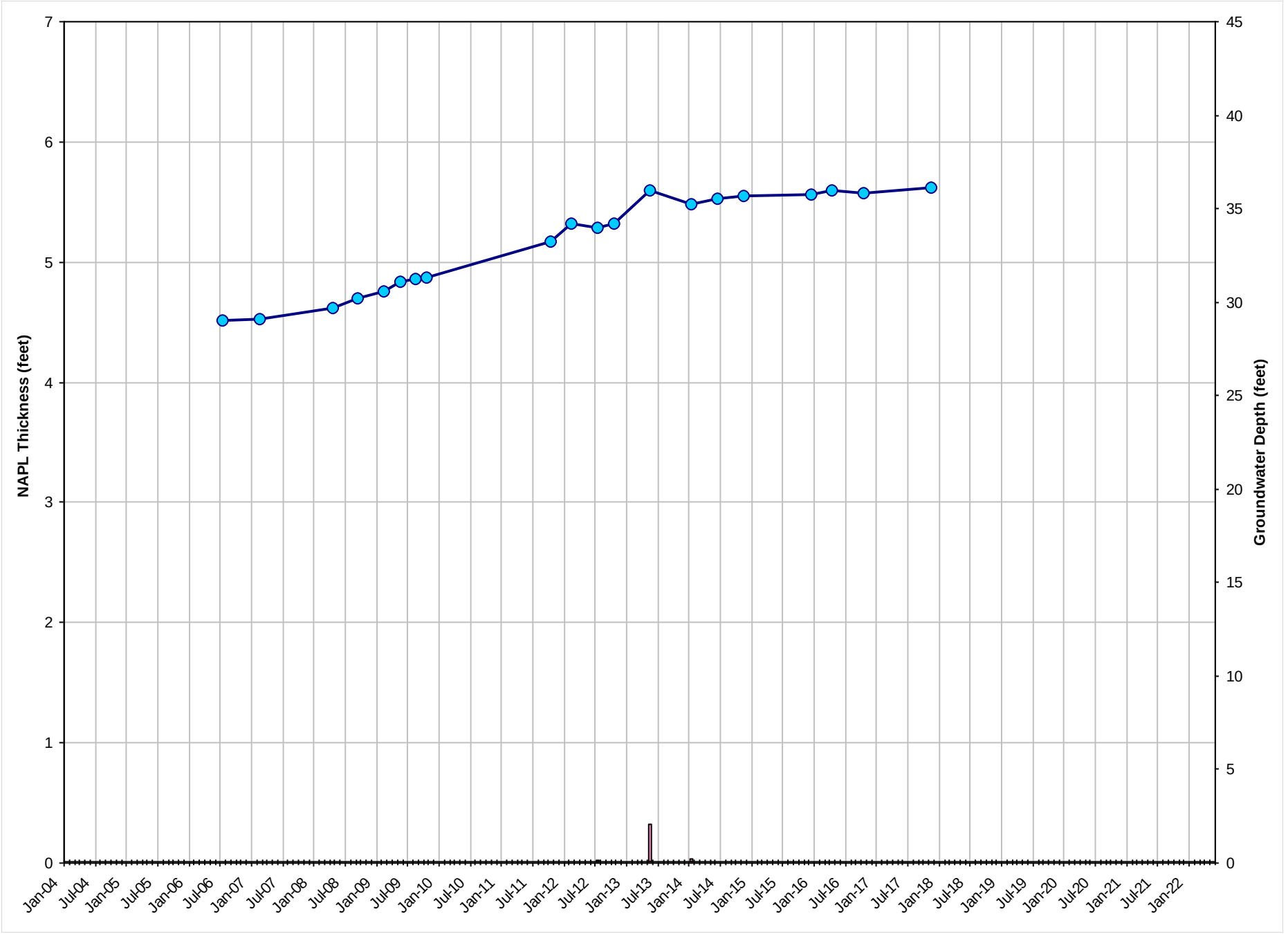
GRAPH 5
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-5
Gladiola Station
Lea County, New Mexico



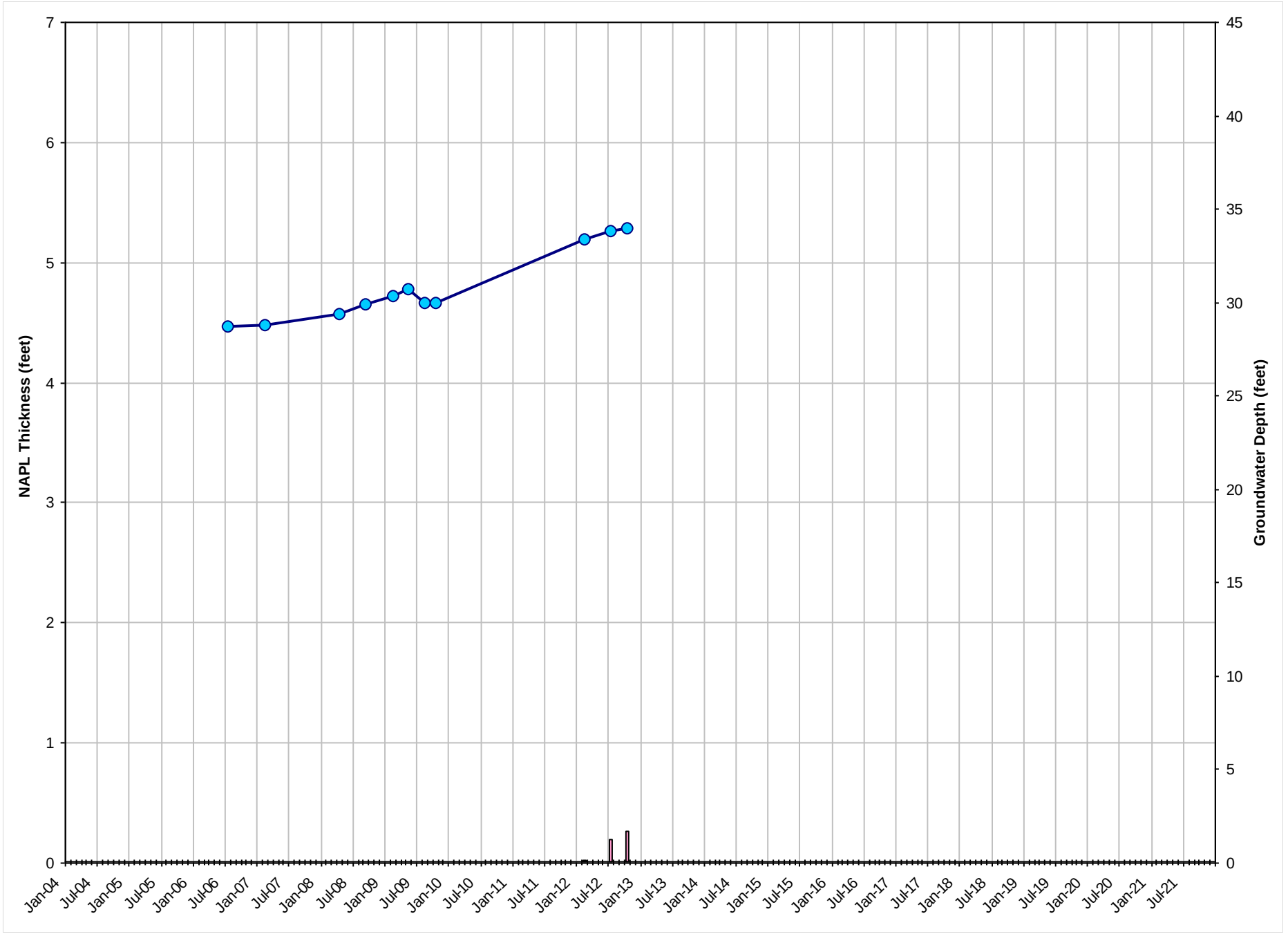
GRAPH 6
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-6
Gladiola Station
Lea County, New Mexico



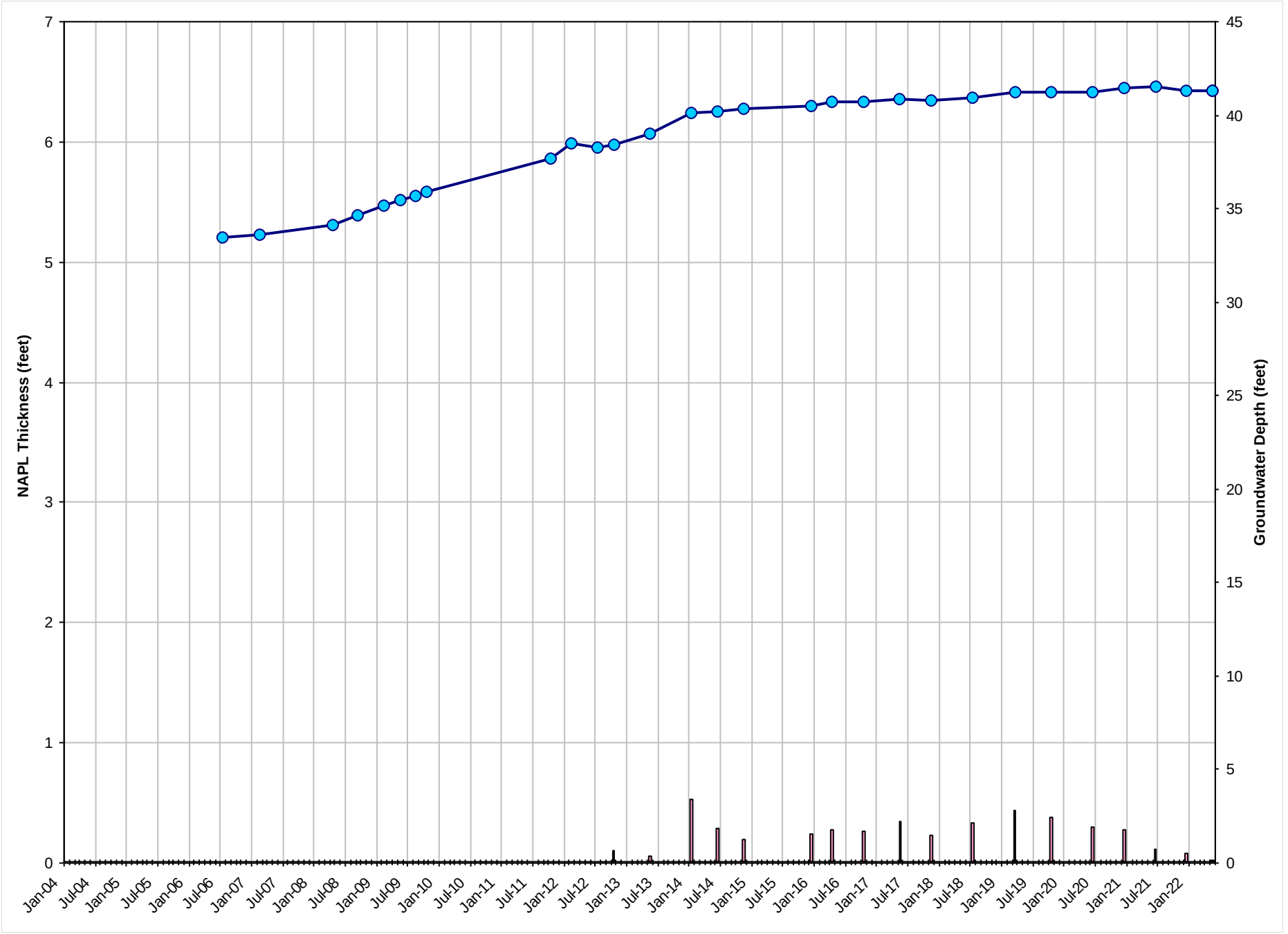
GRAPH 7
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-7
Gladiola Station
Lea County, New Mexico



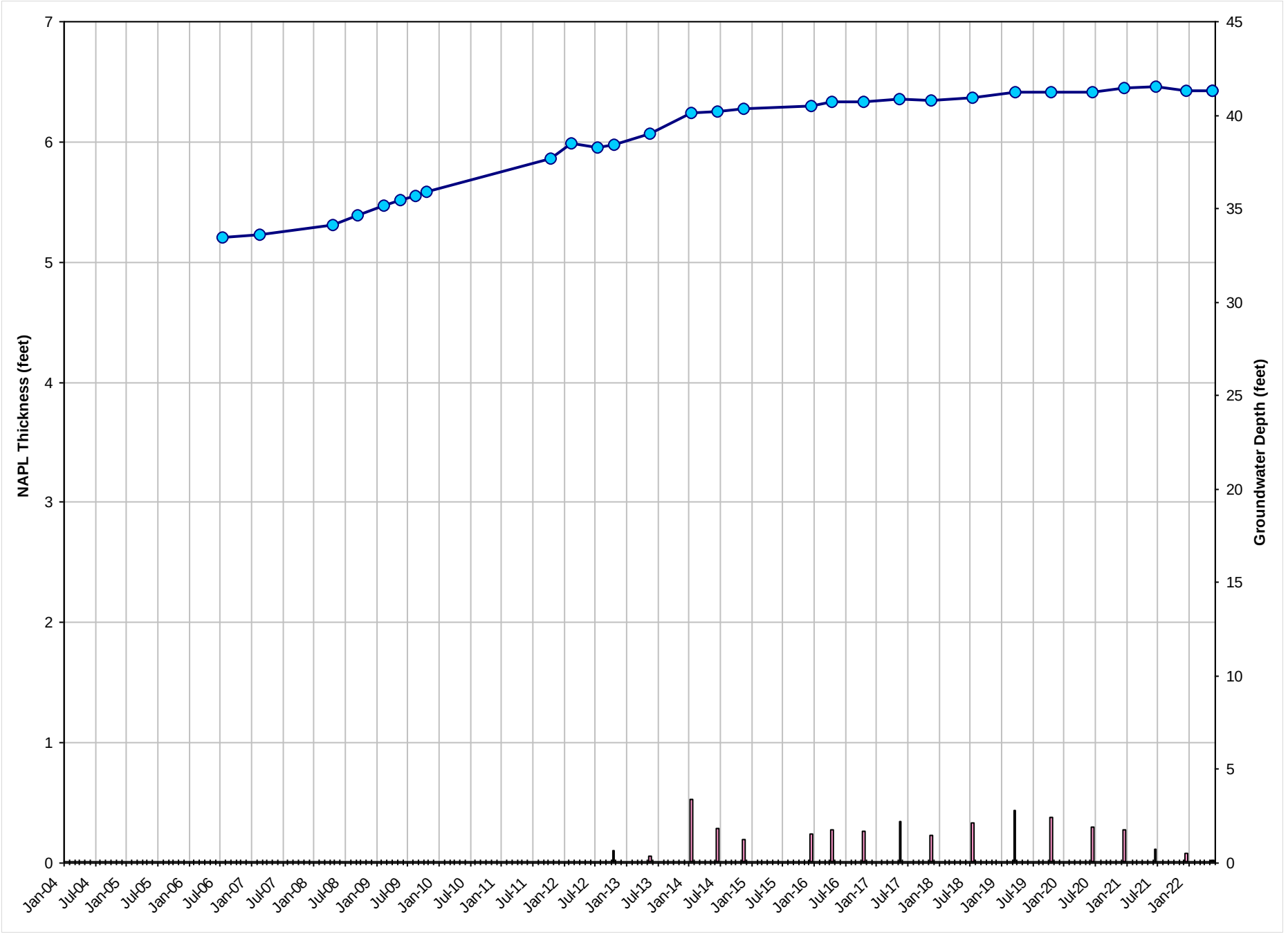
GRAPH 8
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-8
Gladiola Station
Lea County, New Mexico



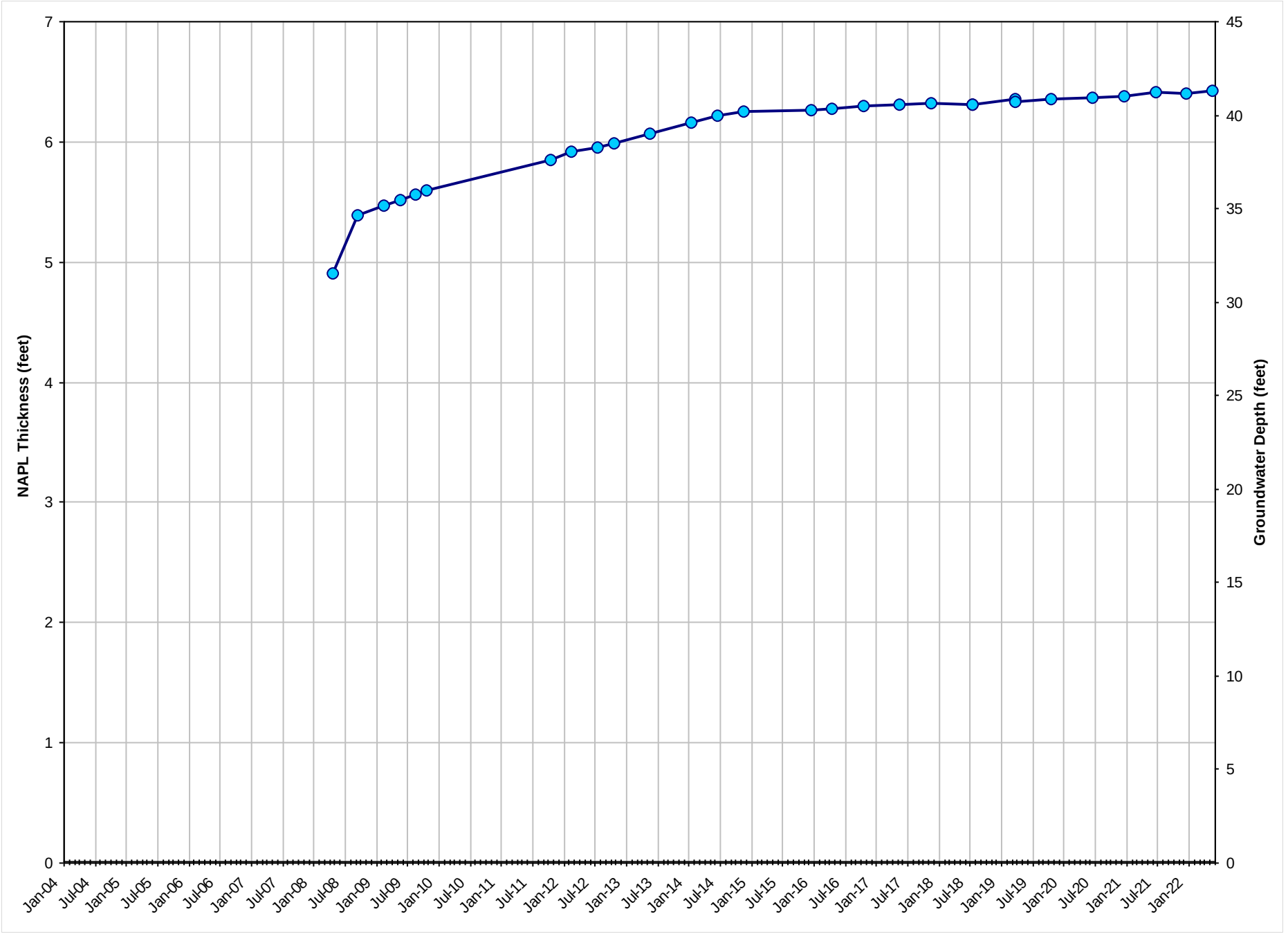
GRAPH 9
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-9
Gladiola Station
Lea County, New Mexico



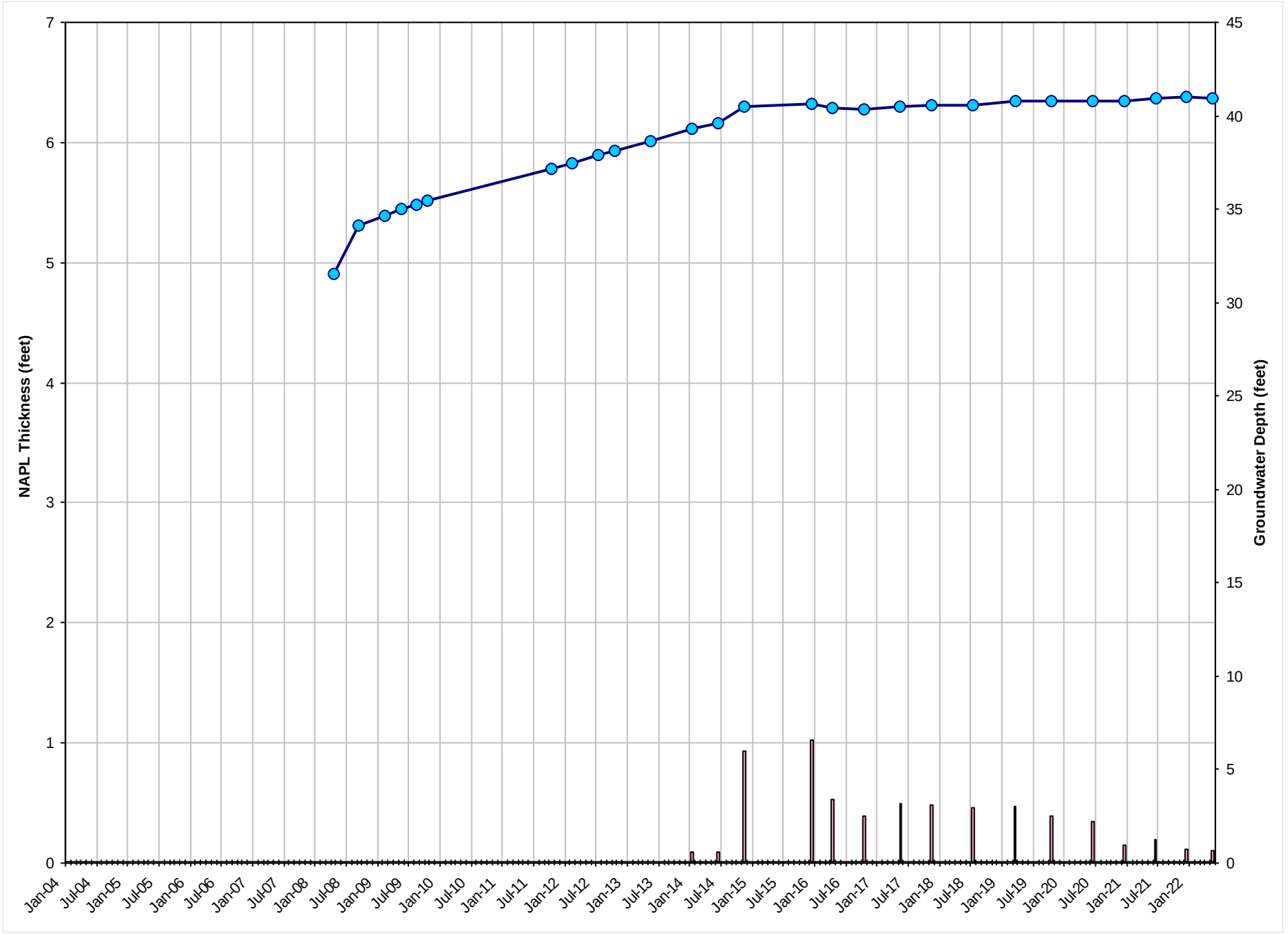
GRAPH 10
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-10
Gladiola Station
Lea County, New Mexico



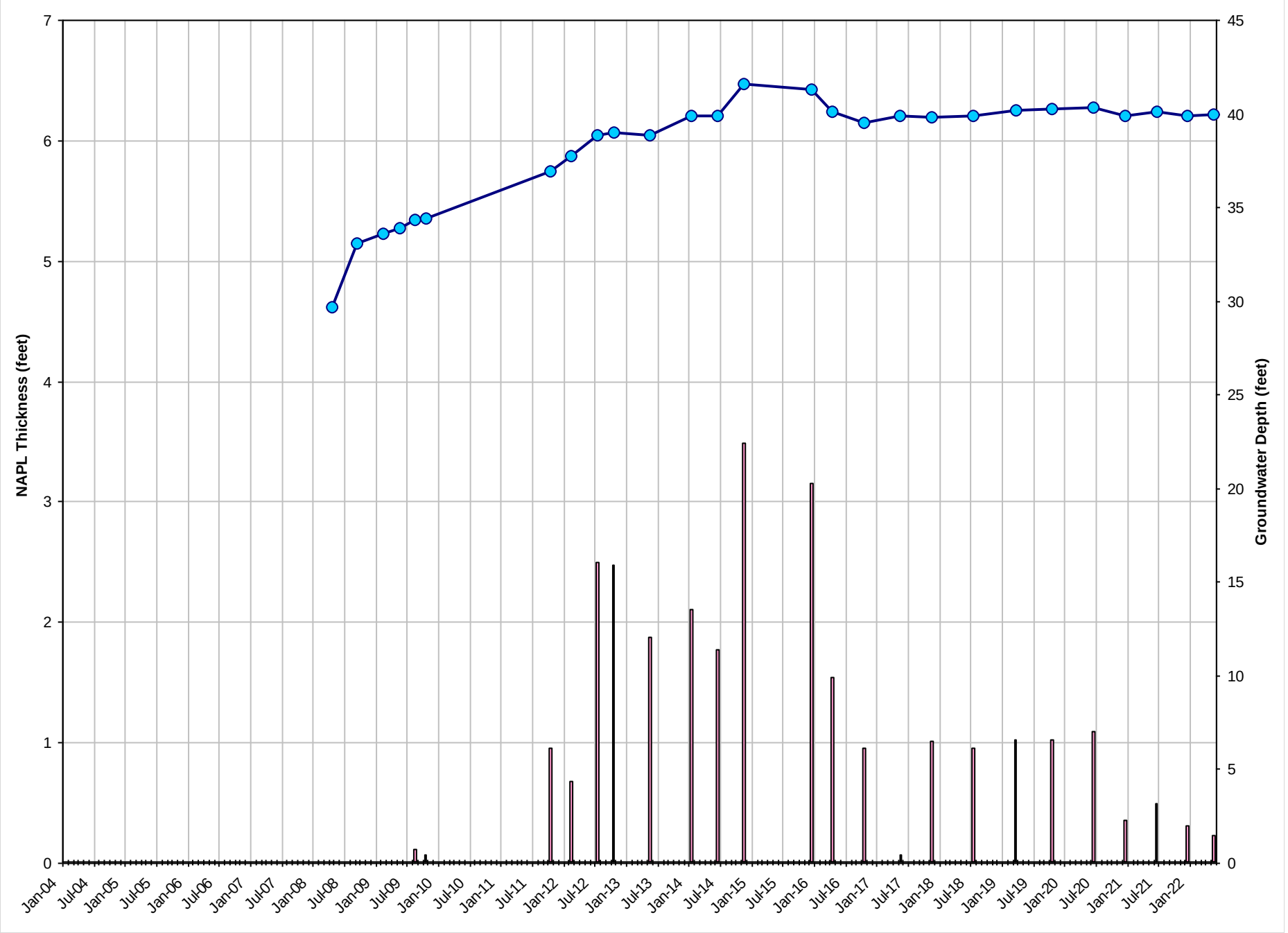
GRAPH 11
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-11
Gladiola Station
Lea County, New Mexico



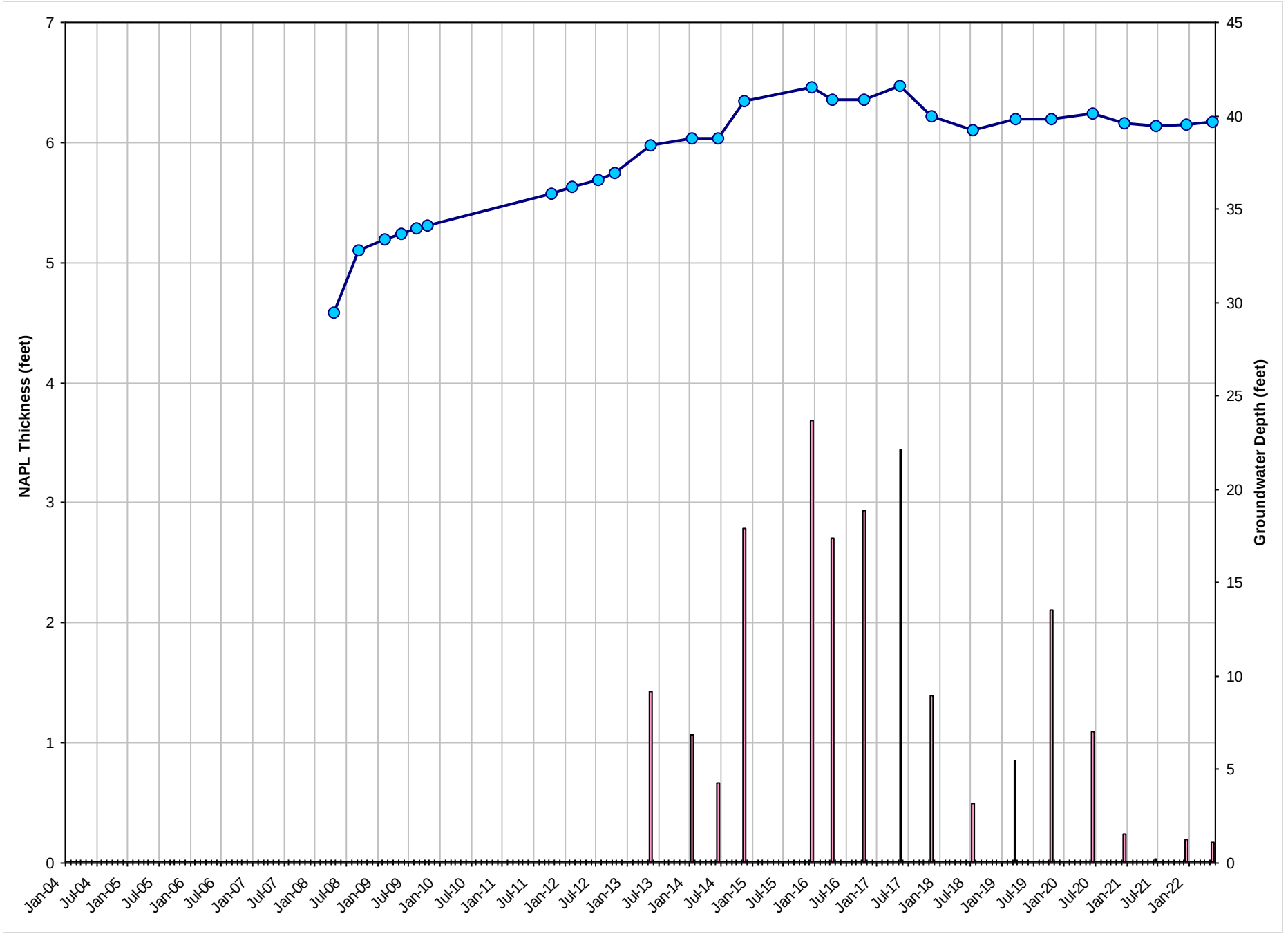
GRAPH 12
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-12
Gladiola Station
Lea County, New Mexico



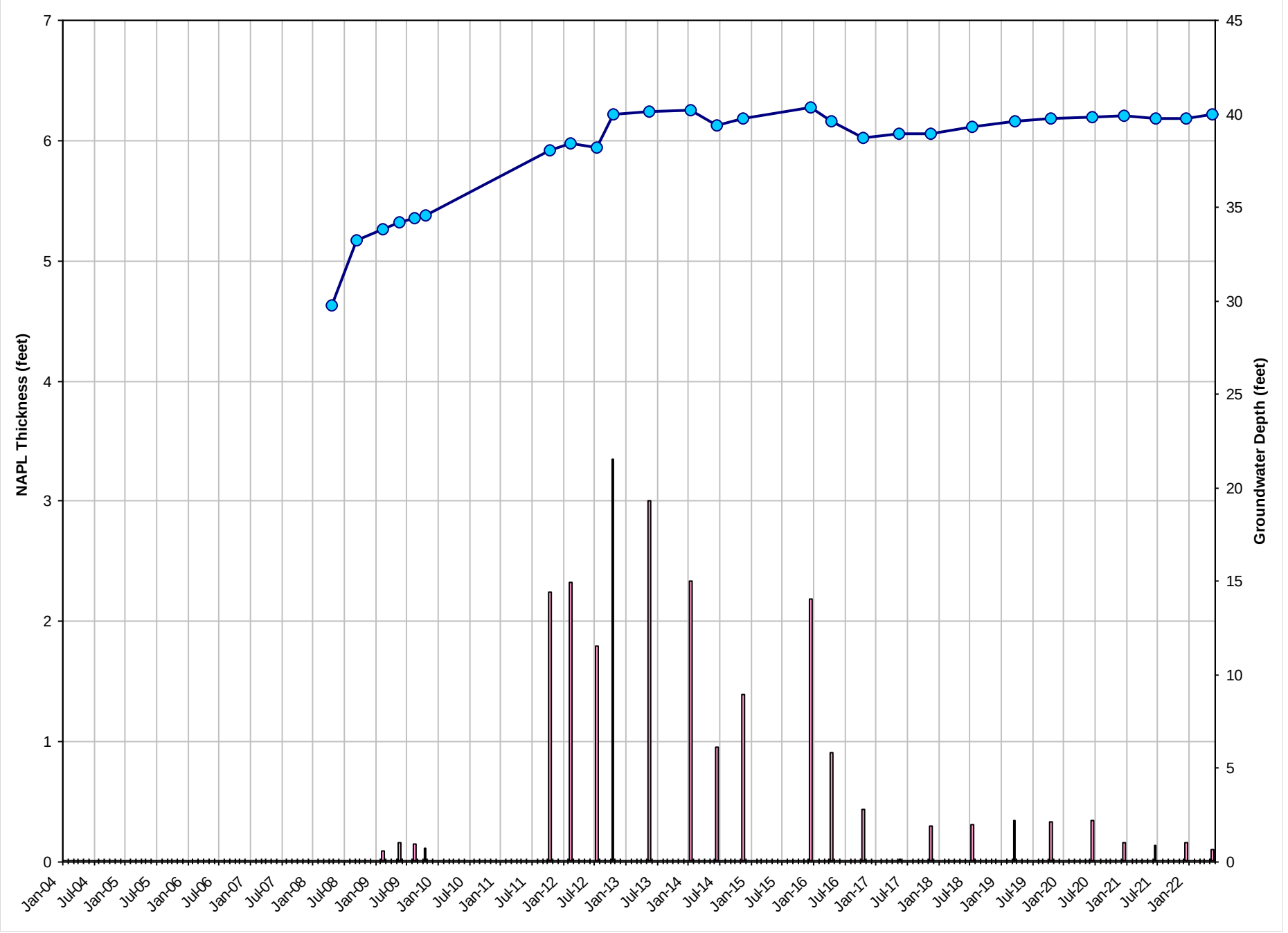
GRAPH 13
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-13
Gladiola Station
Lea County, New Mexico



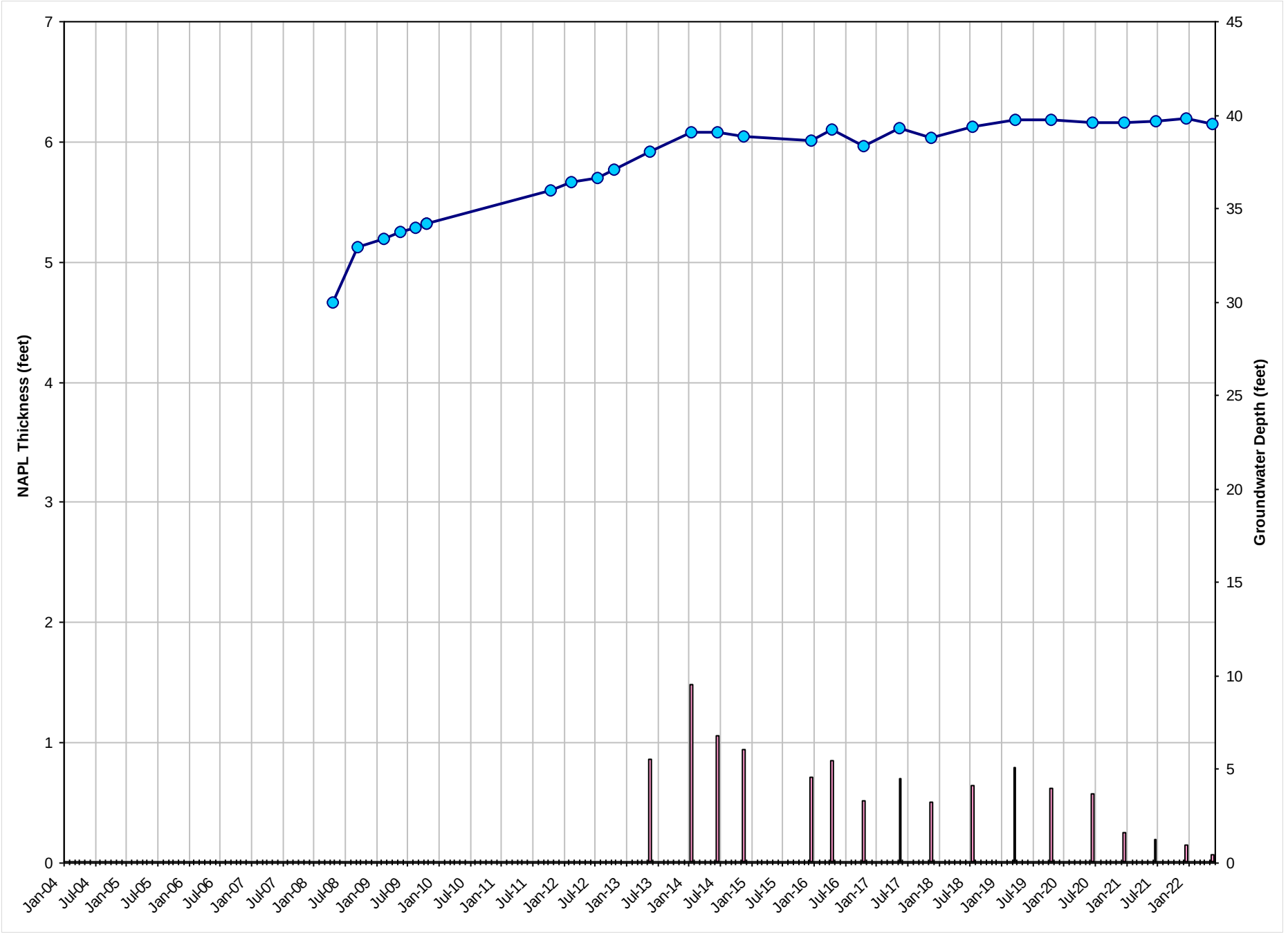
GRAPH 14
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-14
Gladiola Station
Lea County, New Mexico



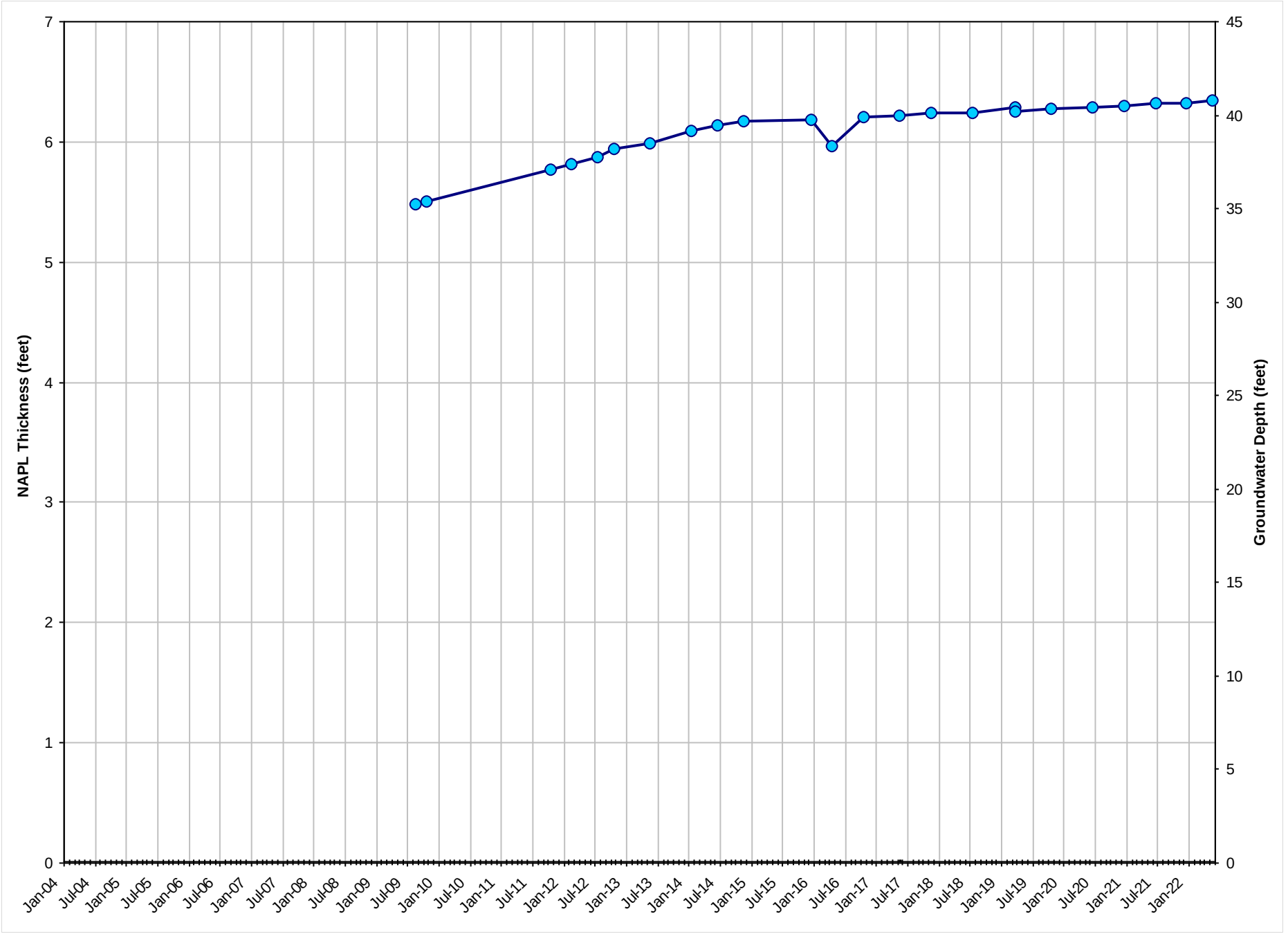
GRAPH 15
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-15
Gladiola Station
Lea County, New Mexico



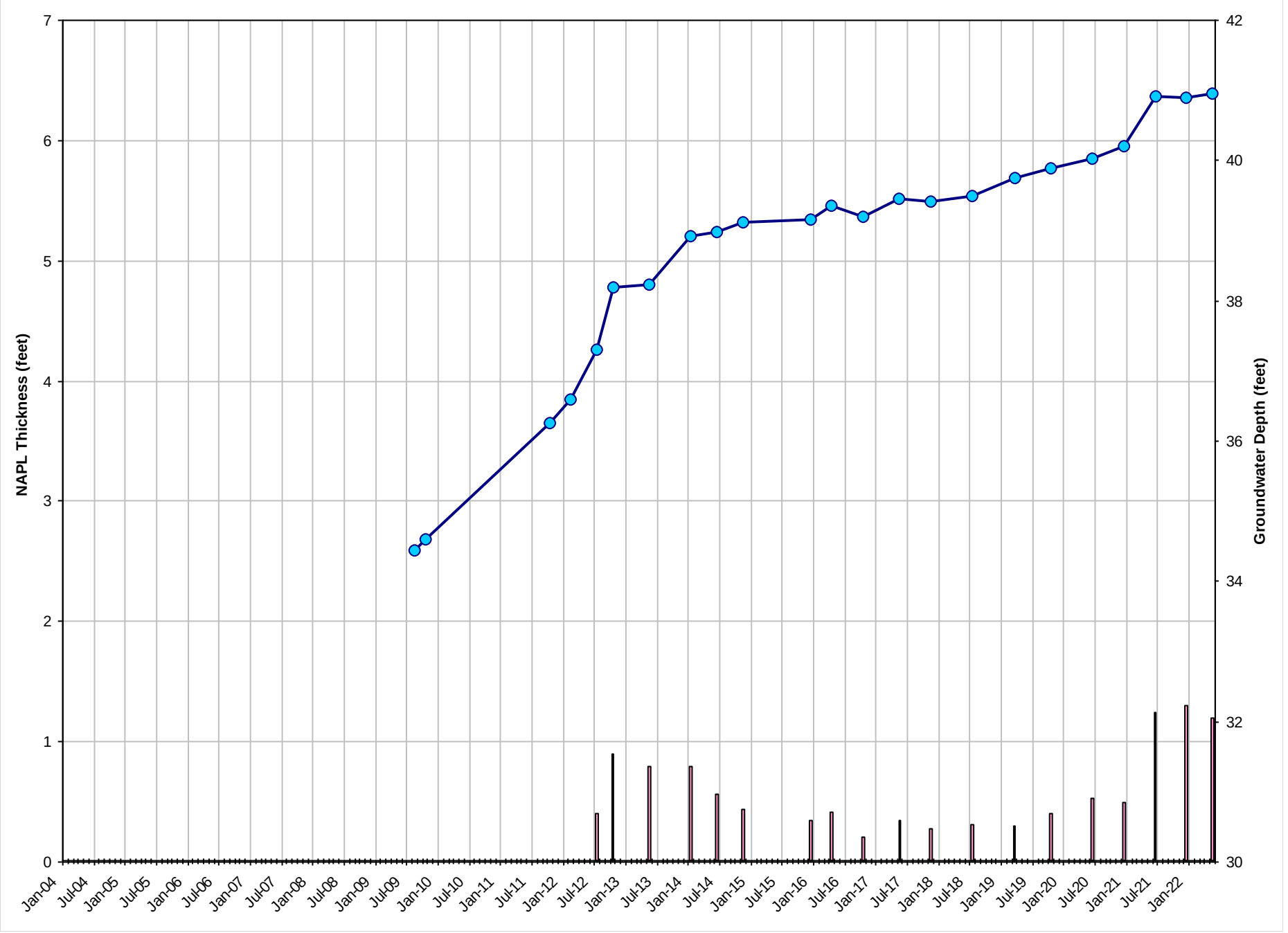
GRAPH 16
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-16
Gladiola Station
Lea County, New Mexico



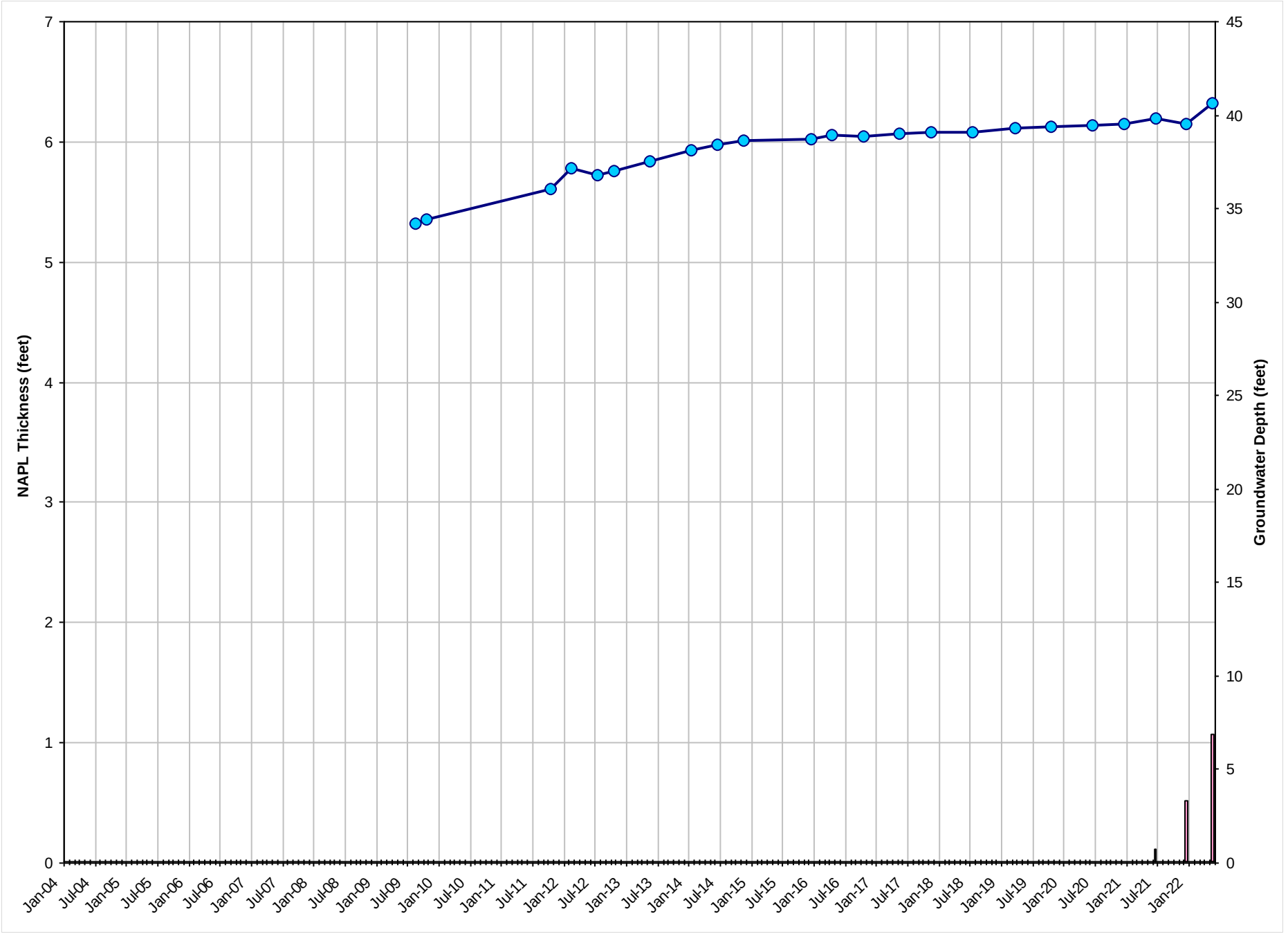
GRAPH 17
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-17
Gladiola Station
Lea County, New Mexico



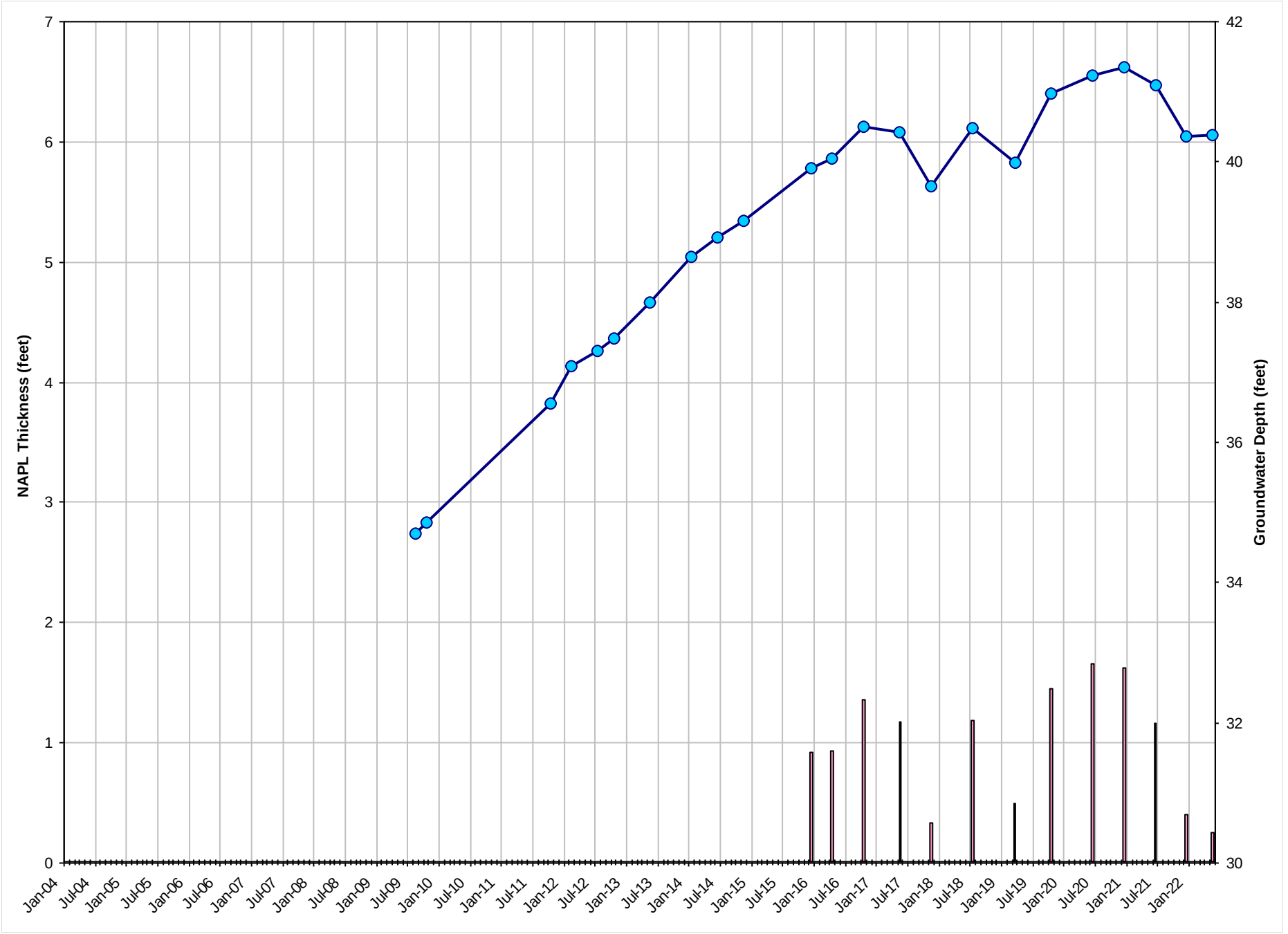
GRAPH 18
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-18
Gladiola Station
Lea County, New Mexico



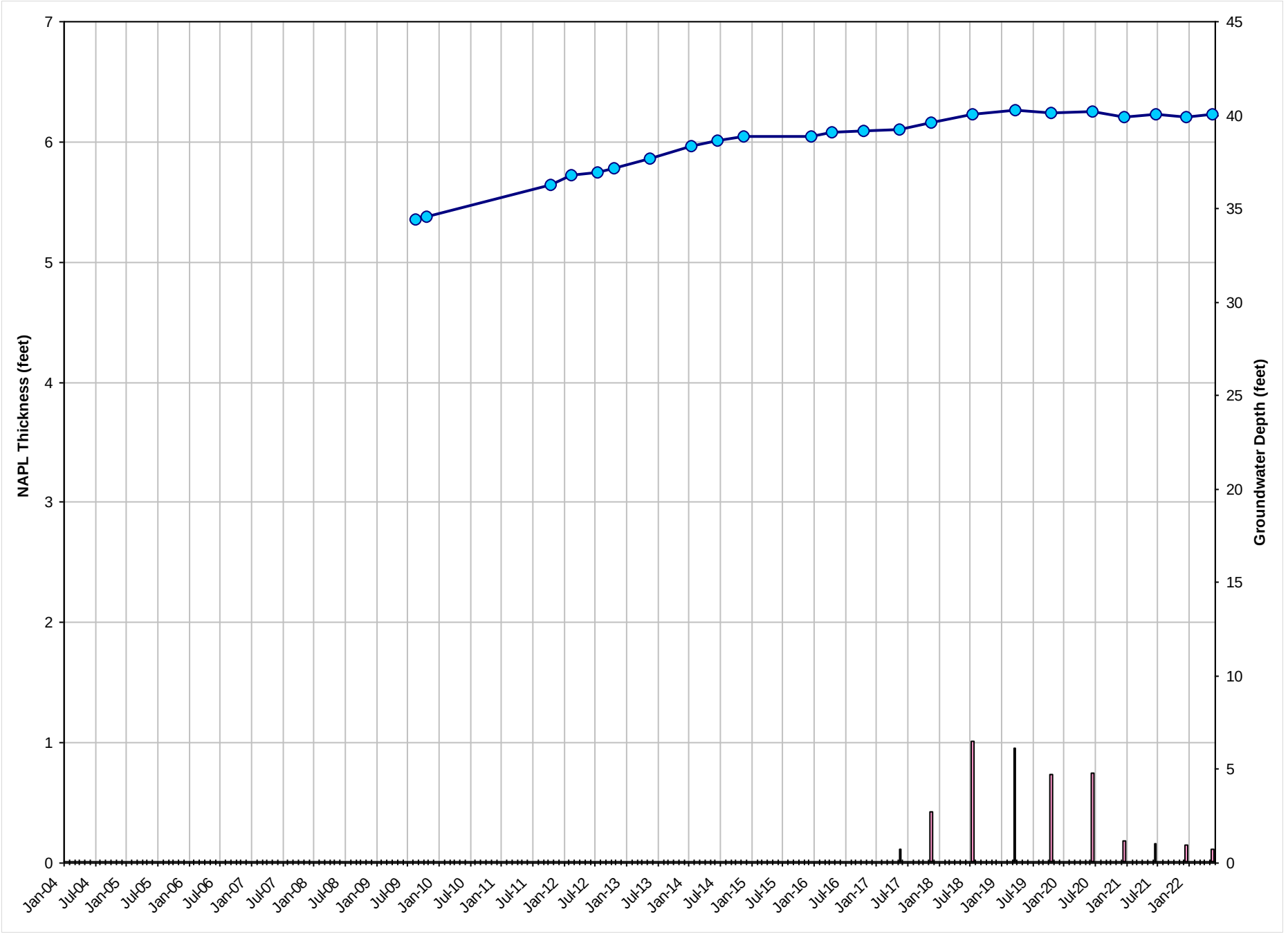
GRAPH 19
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-19
Gladiola Station
Lea County, New Mexico



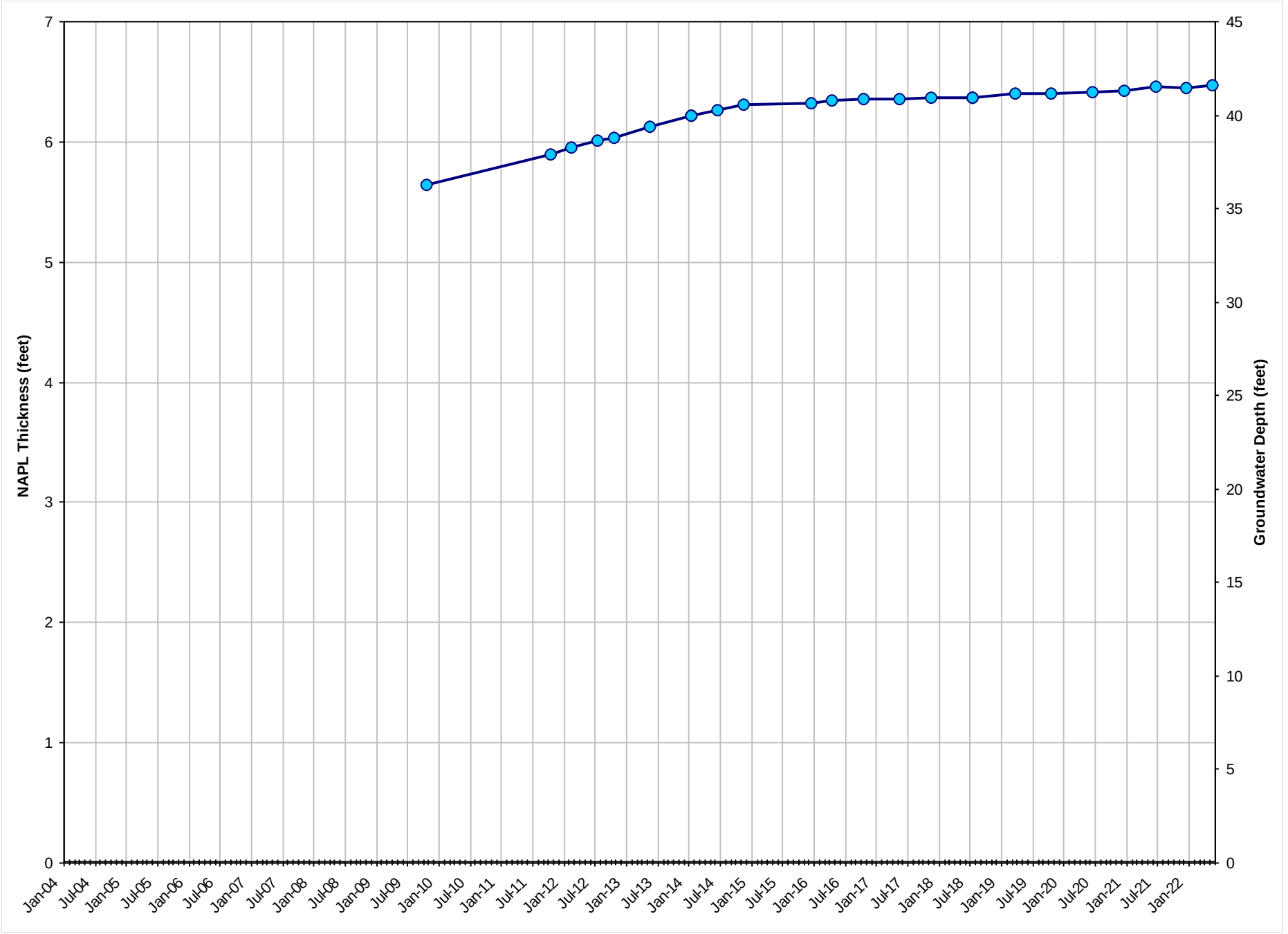
GRAPH 20
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-20
Gladiola Station
Lea County, New Mexico



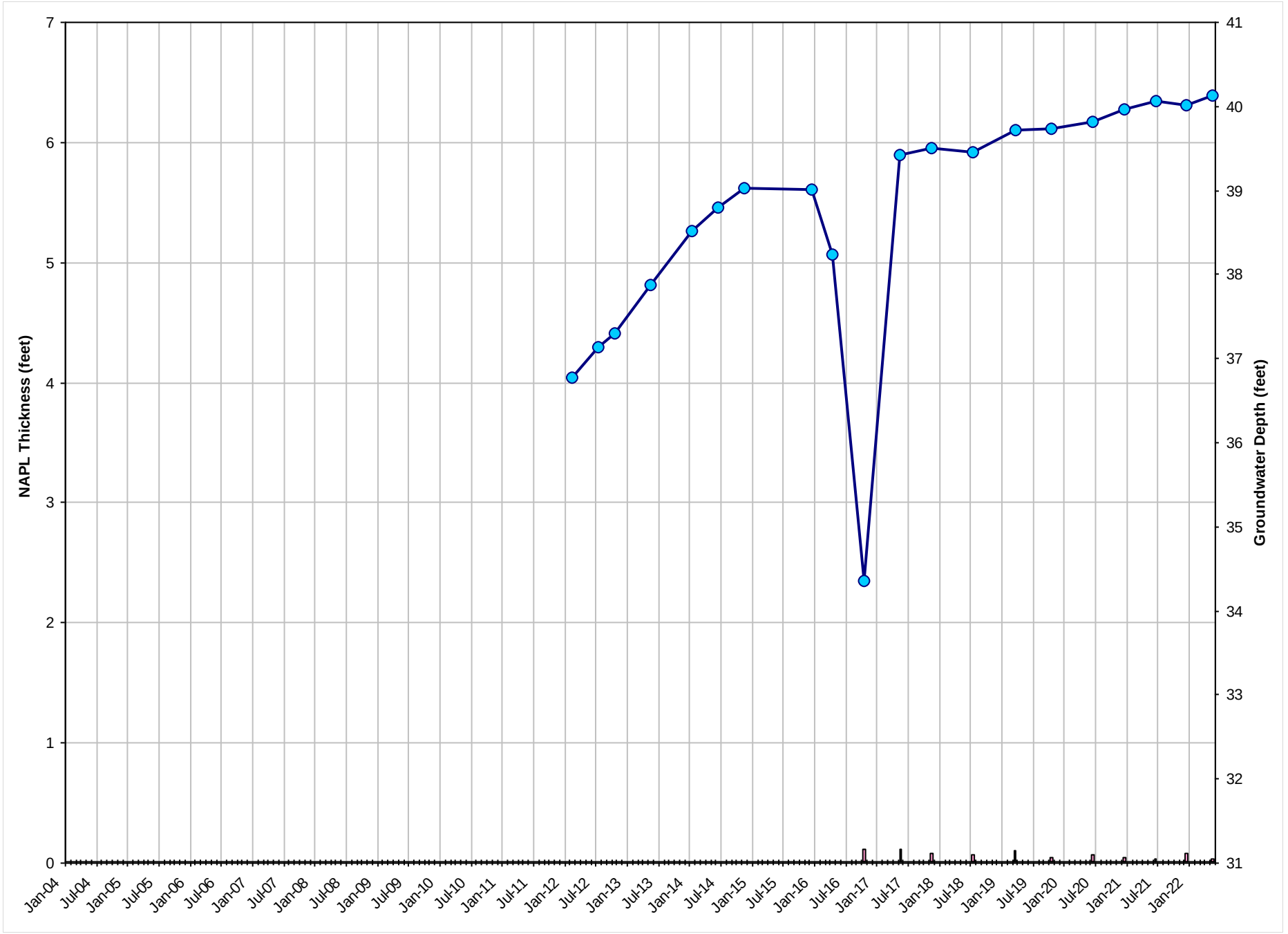
GRAPH 21
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-21
Gladiola Station
Lea County, New Mexico



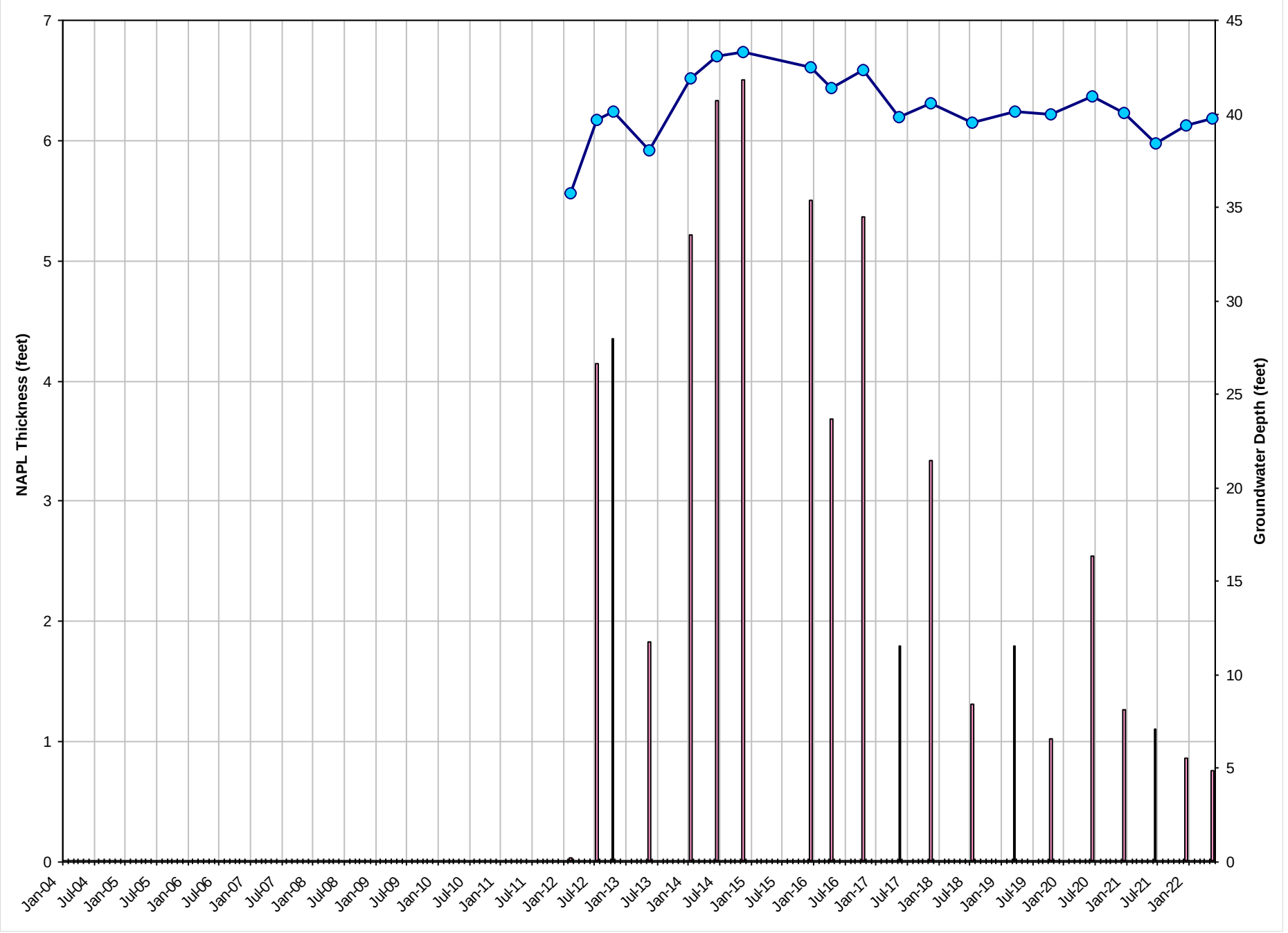
GRAPH 22
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-22
Gladiola Station
Lea County, New Mexico



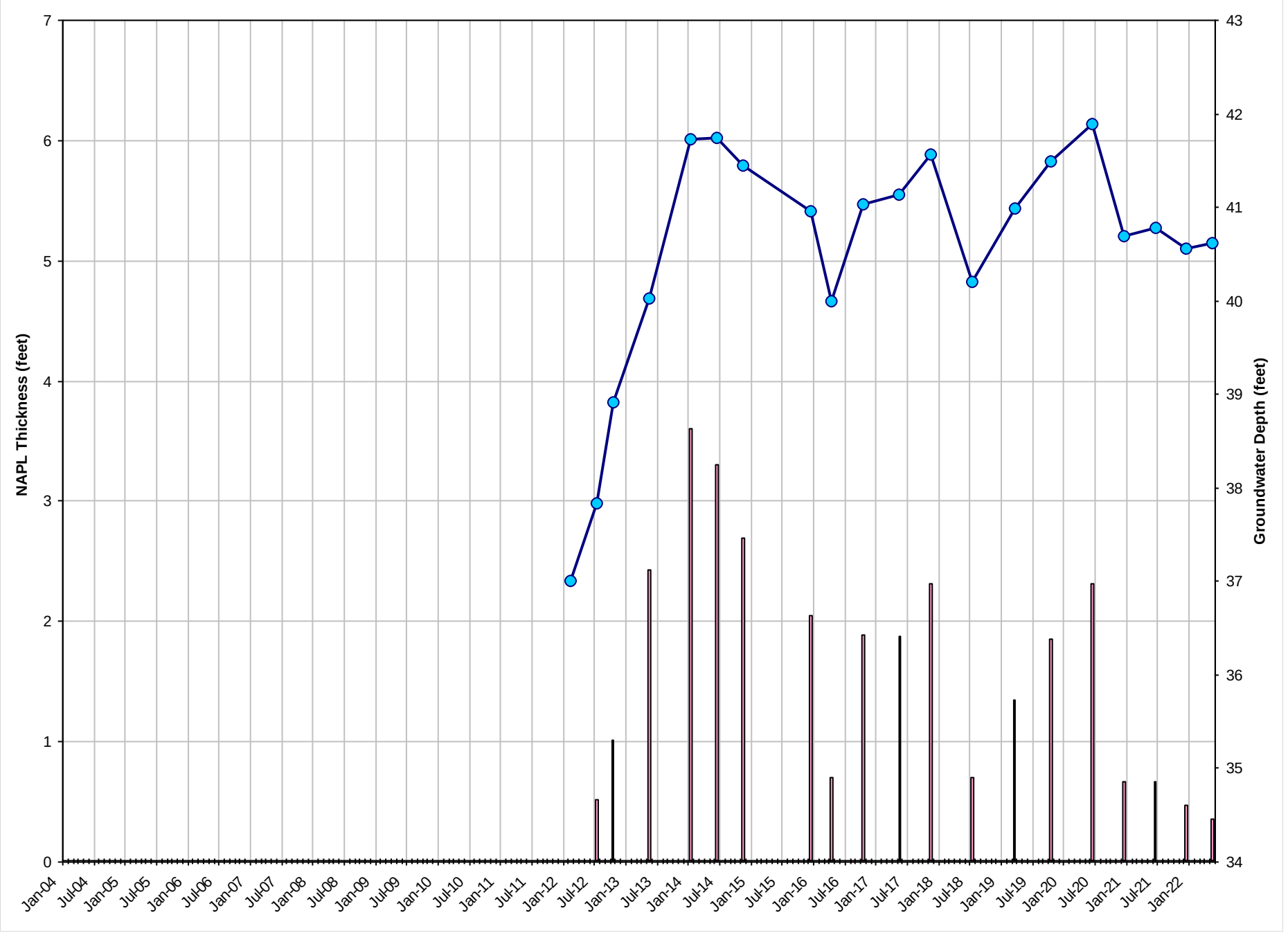
GRAPH 23
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-23
Gladiola Station
Lea County, New Mexico



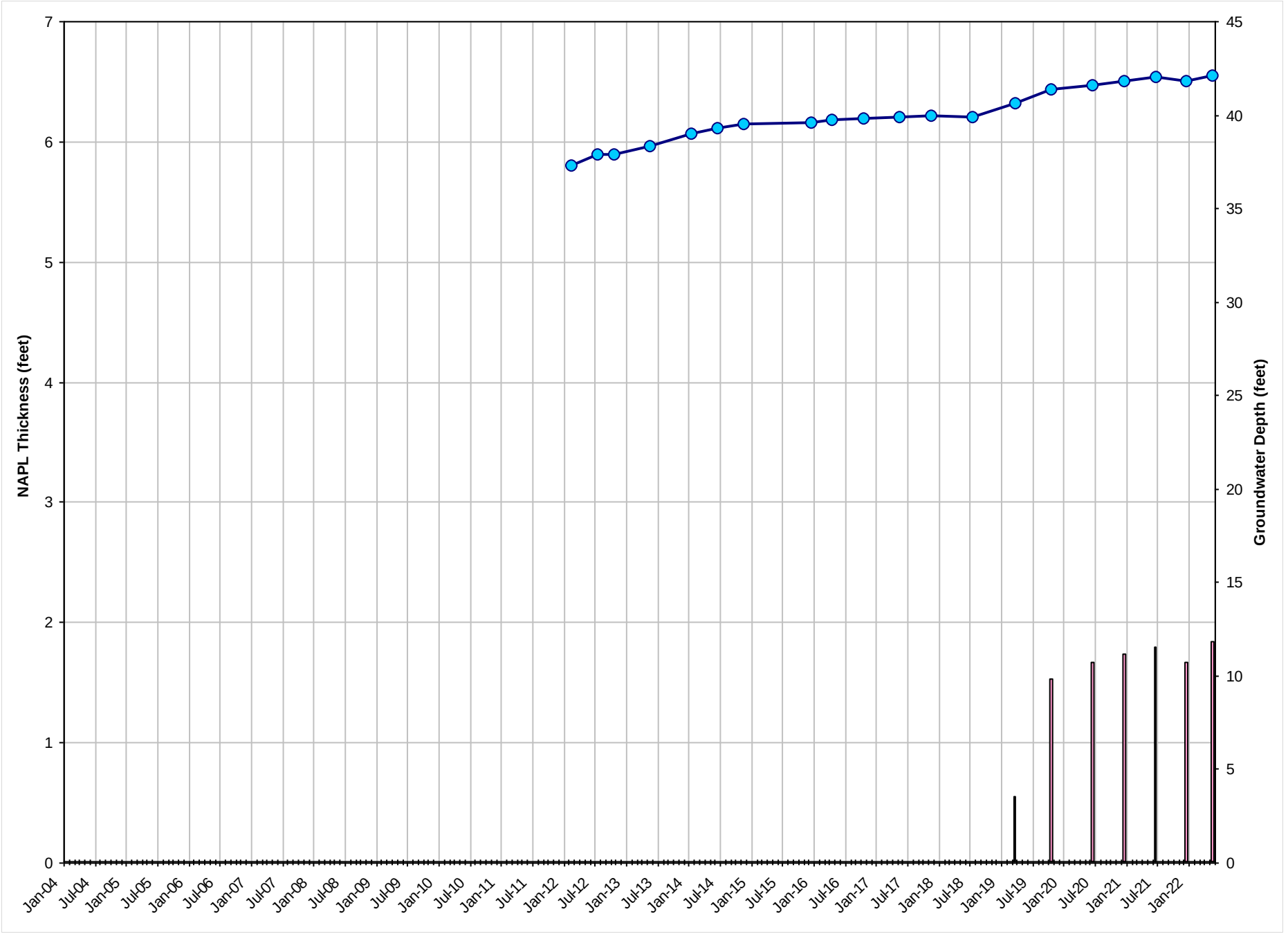
GRAPH 24
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-24
Gladiola Station
Lea County, New Mexico



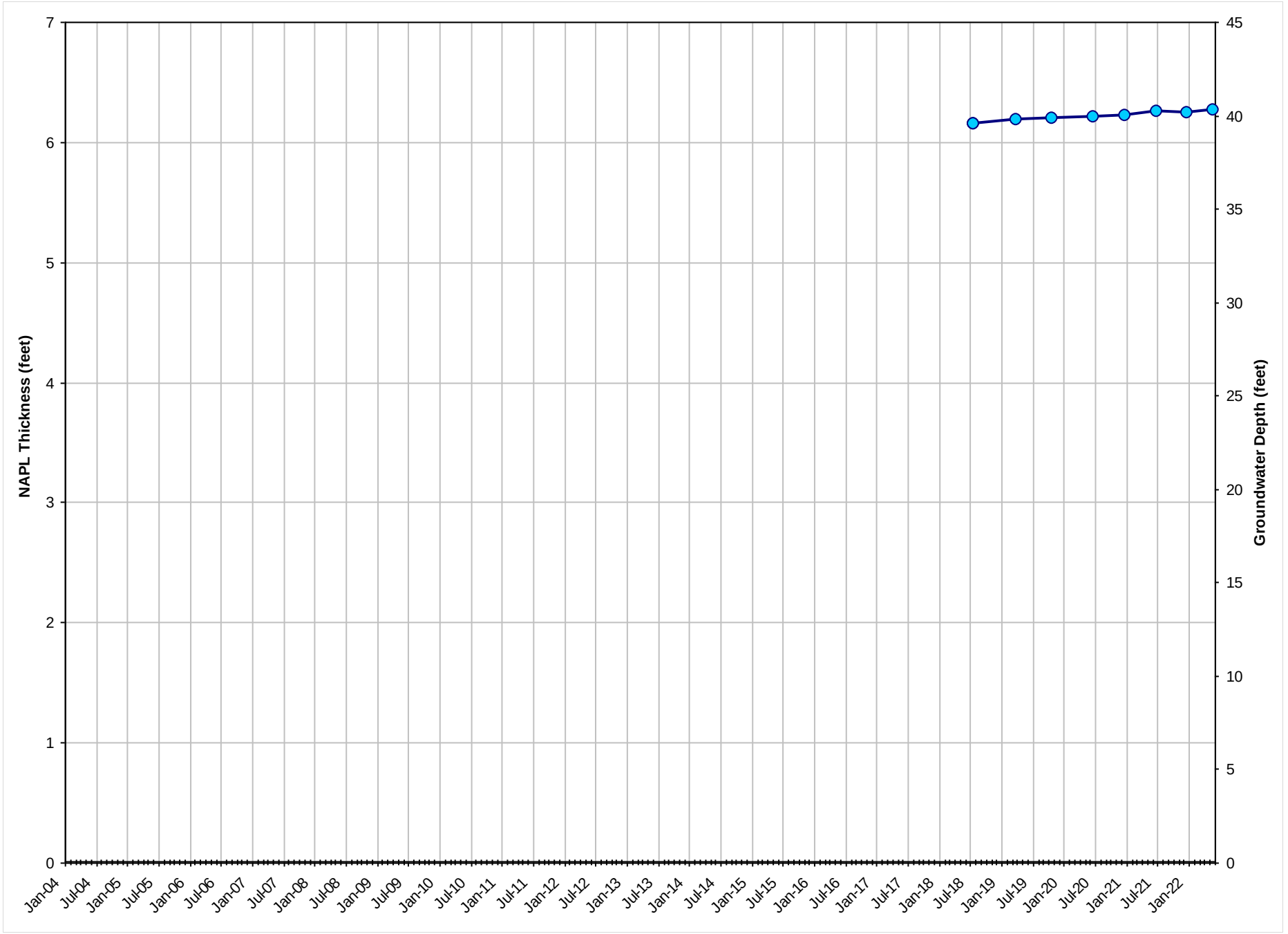
GRAPH 25
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-25
Gladiola Station
Lea County, New Mexico



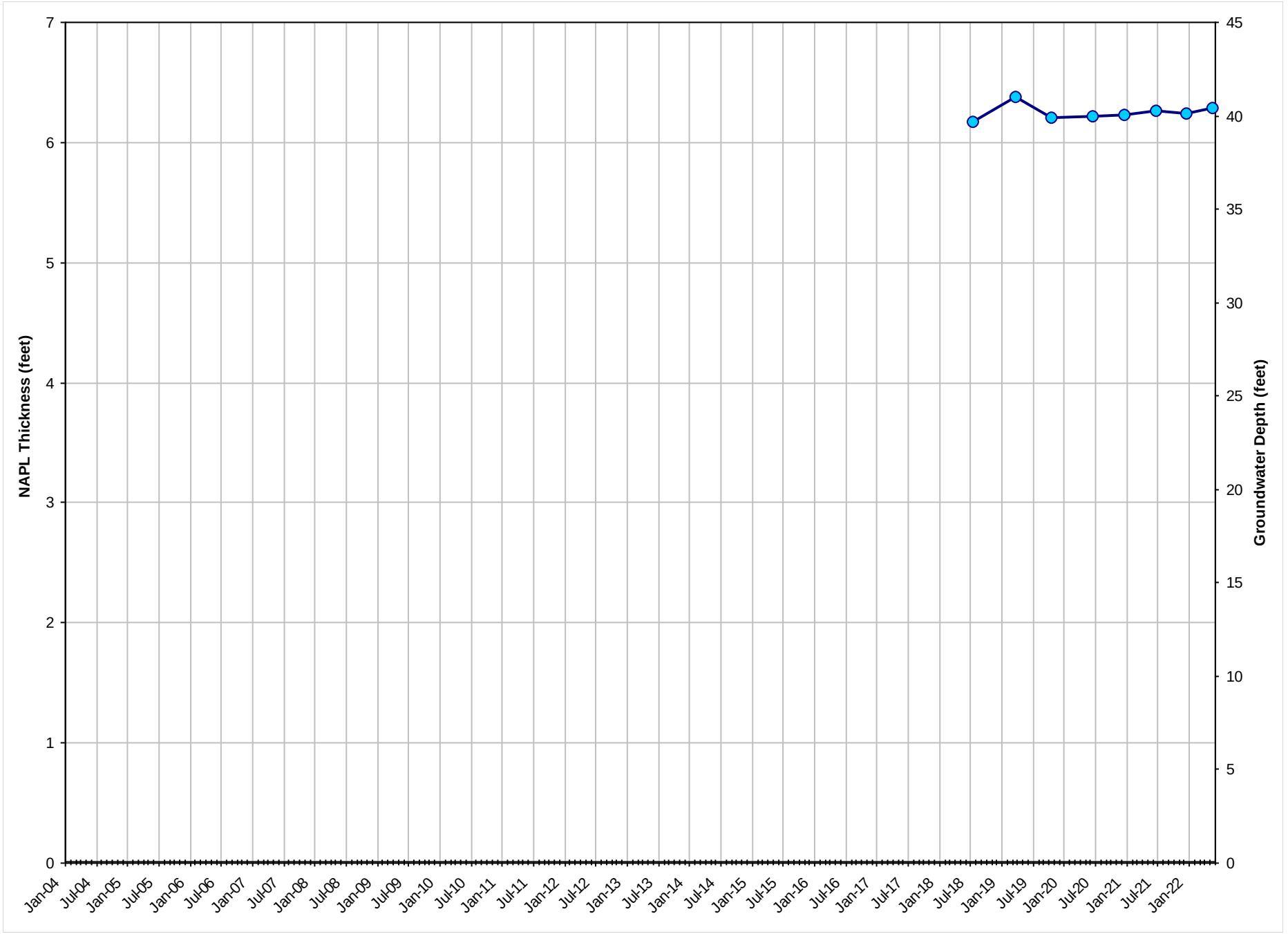
GRAPH 26
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-26
Gladiola Station
Lea County, New Mexico



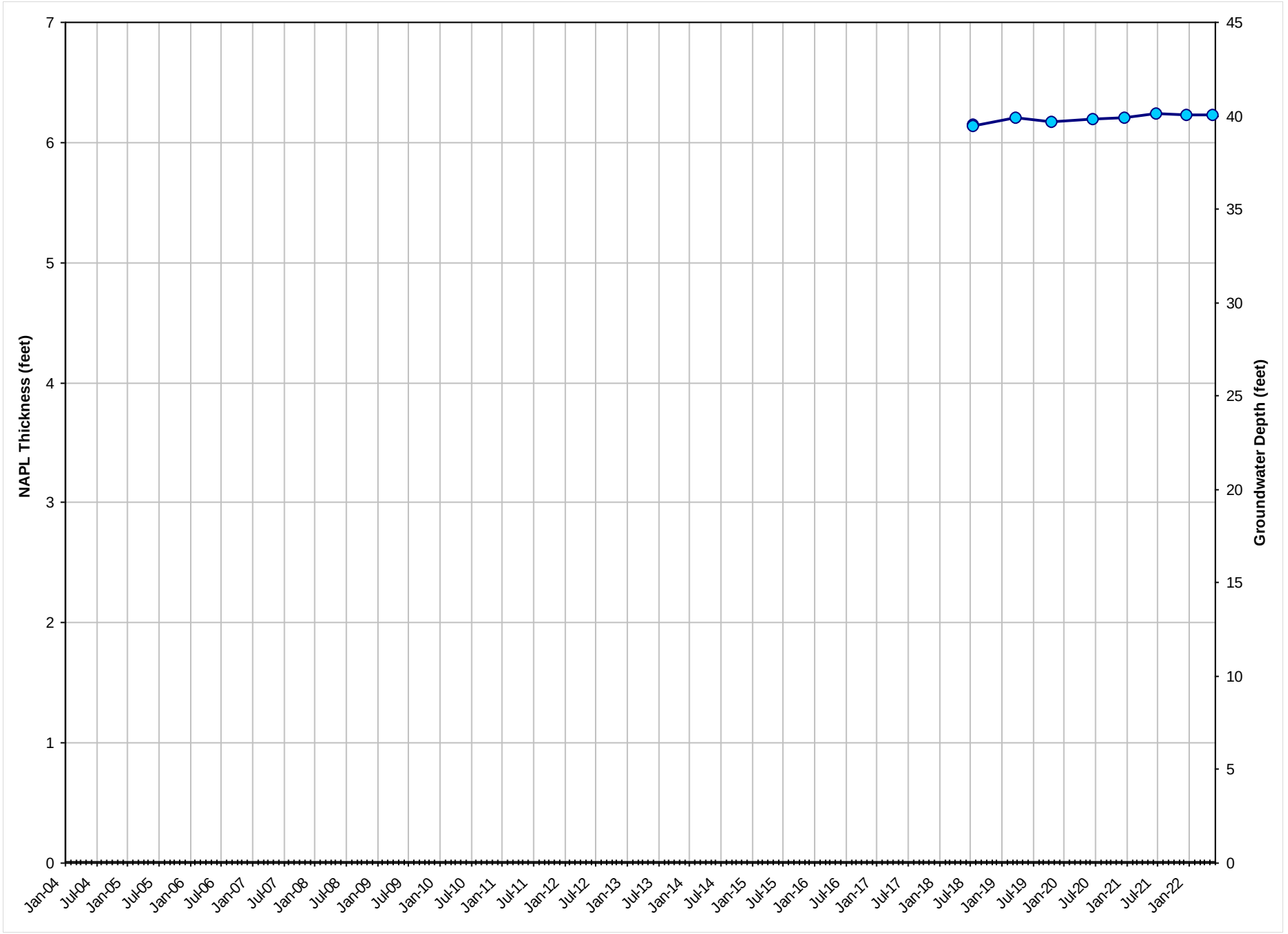
GRAPH 27
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-27
Gladiola Station
Lea County, New Mexico



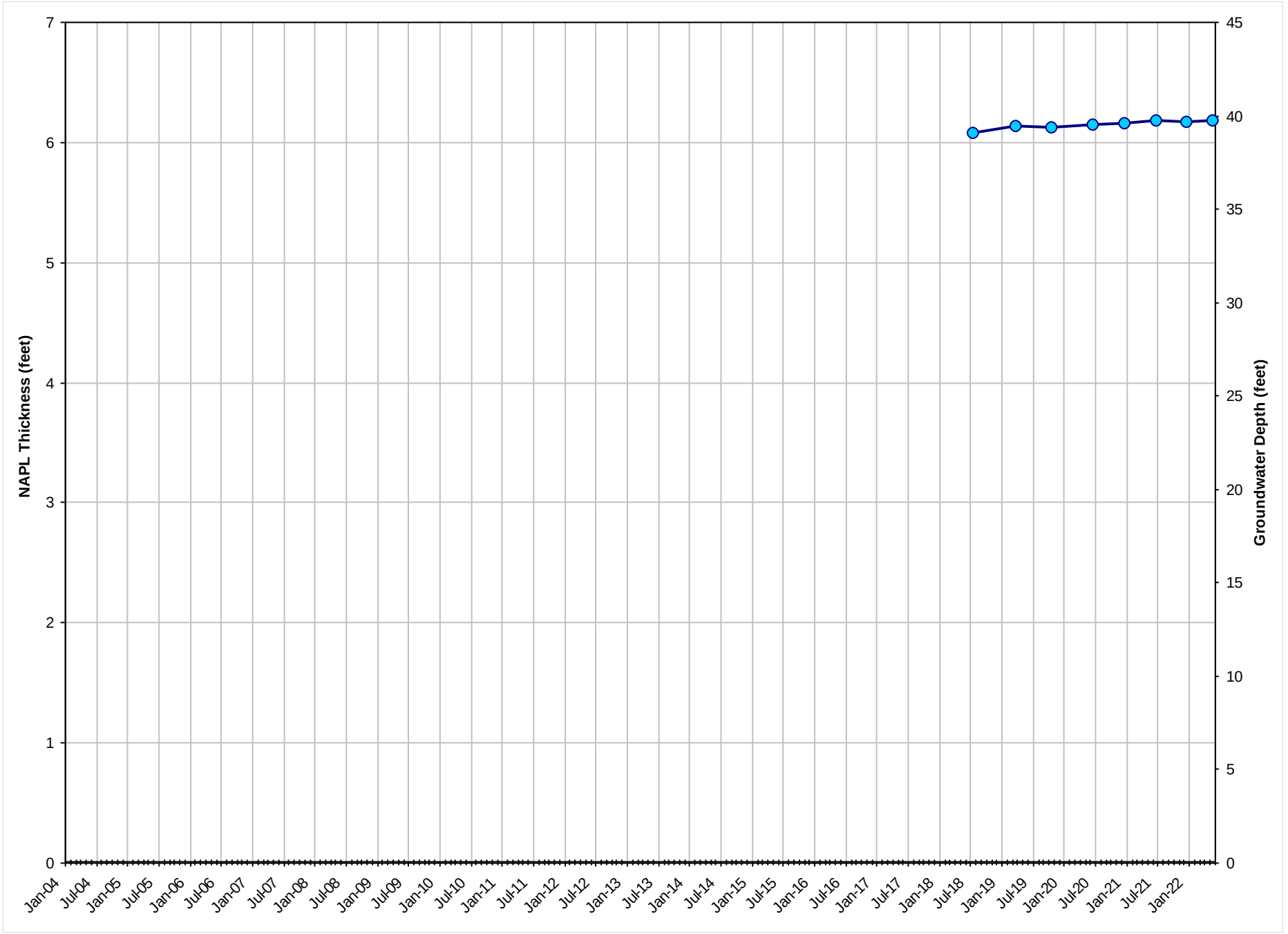
GRAPH 28
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-28
Gladiola Station
Lea County, New Mexico



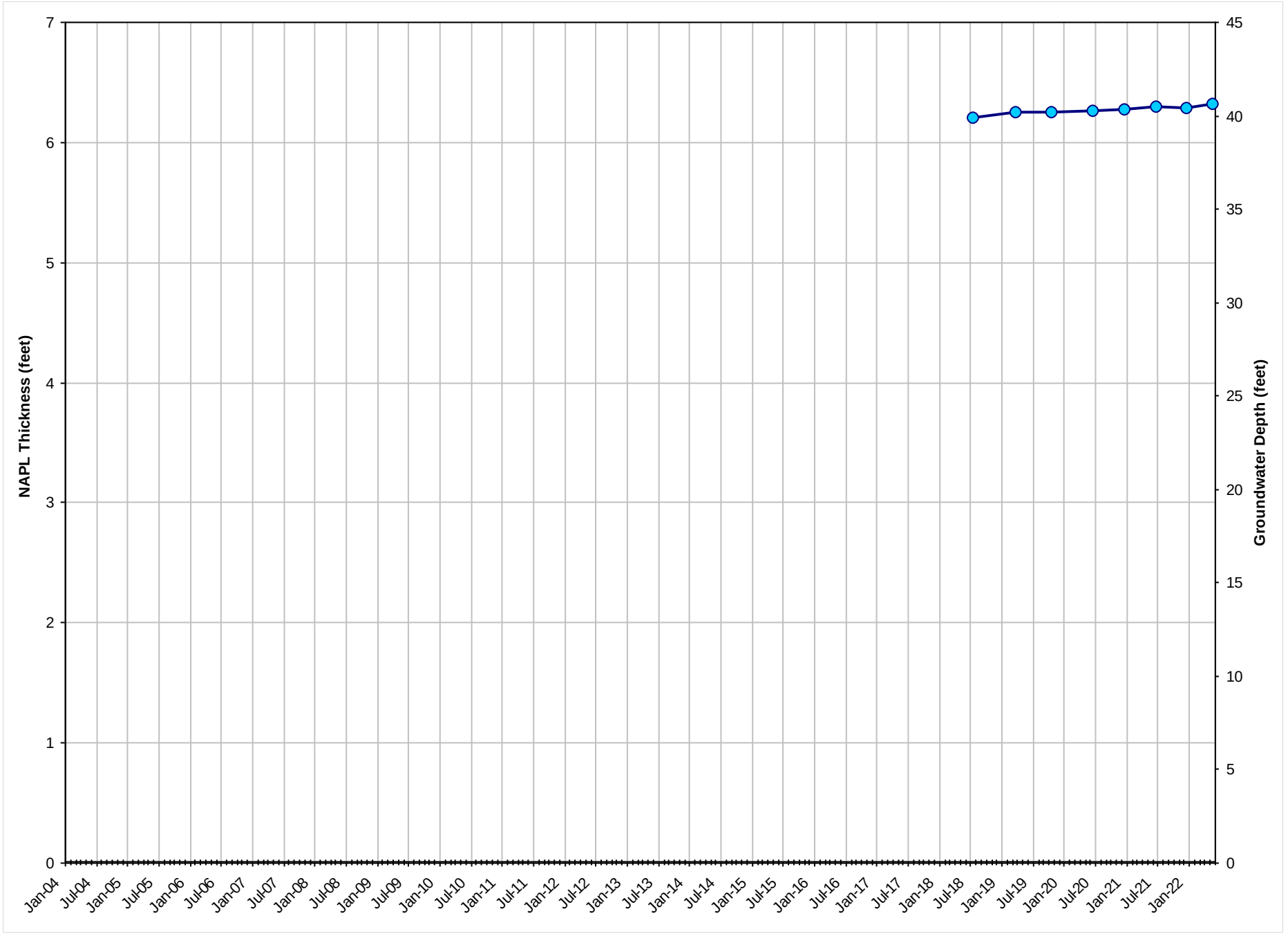
GRAPH 29
NAPL THICKNESS AND GROUNDWATER DEPTH VS. TIME - MW-29
Gladiola Station
Lea County, New Mexico



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

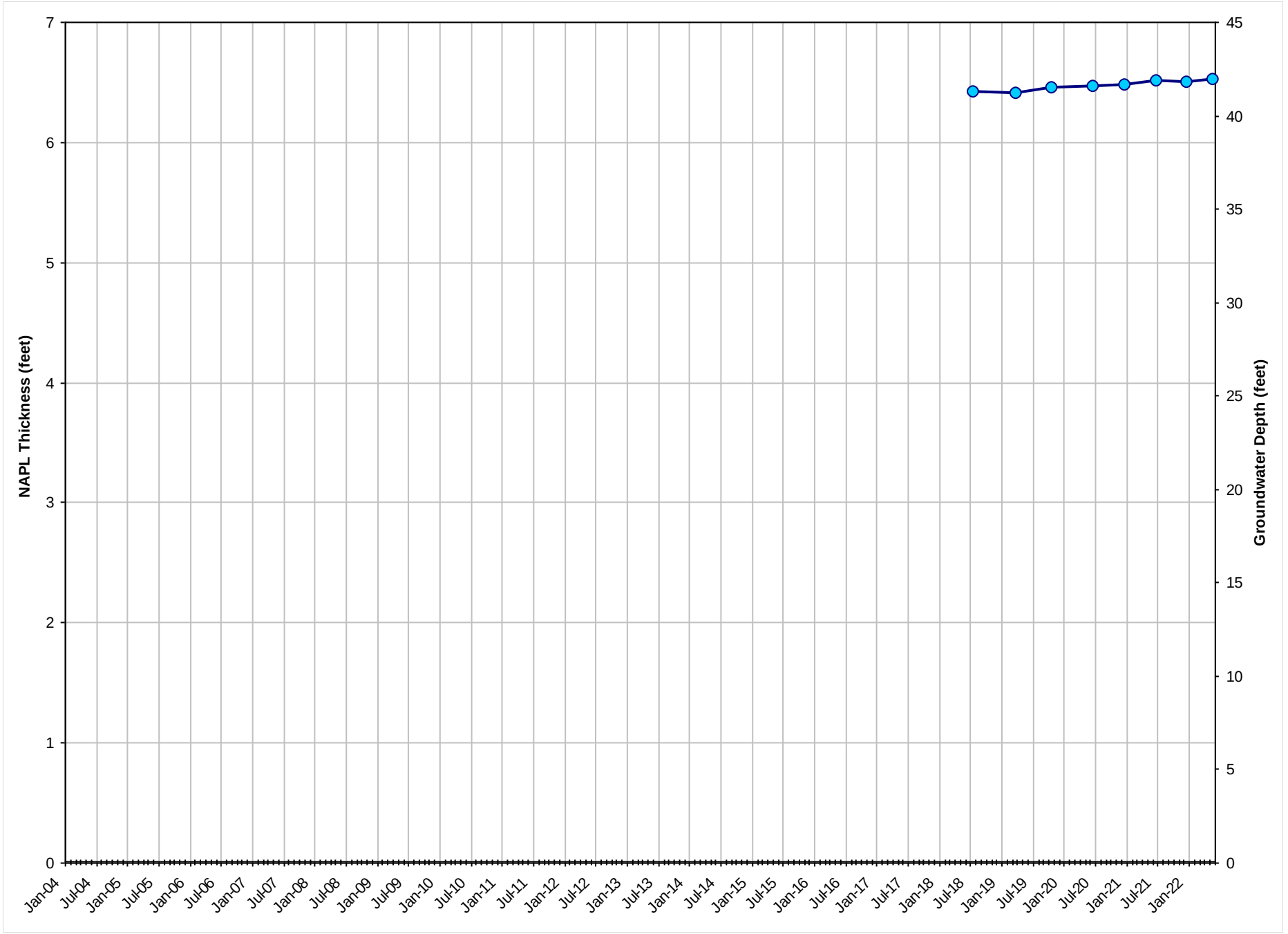


TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**						
05/24/22	3866.77	37.89	3,828.89	0.01				
Field Point MW-2	**Well Screen Interval (feet):**	**27.59-47.59**						
05/24/22	3869.40	41.38	3,828.16	0.17				
Field Point MW-3	**Well Screen Interval (feet):**	**24.20-44.20**						
05/26/22	3865.34	36.81	3,828.53	No	**0.510**	<0.0050	0.480	<0.010
Field Point MW-4	**Well Screen Interval (feet):**	**23.97-38.97**						
05/24/22	3866.32	37.65	3,828.84	0.21				
Field Point MW-5	**Well Screen Interval (feet):**	**27.19-47.19**						
05/24/22	3868.65	39.98	3,828.98	0.37				
Field Point MW-6	**Well Screen Interval (feet):**	**27.05-42.05**						
05/26/22	3868.66	39.78	3,828.88	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-7	**Well Screen Interval (feet):**	**24.35-39.35**						
05/24/22	3865.76	Dry		No				
Field Point MW-9	**Well Screen Interval (feet):**	**27.64-42.64**						
05/24/22	3869.90	41.30	3,828.62	0.02				
05/25/22	3869.90	41.29	3,828.62	0.01				
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
05/24/22	3870.47	41.42	3,829.05		Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
05/25/22	3869.68	41.28	3,828.40	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-12	**Well Screen Interval (feet):**	**30.00-45.00**						
05/25/22	3869.40	40.93	3,828.55	0.10				
Field Point MW-13	**Well Screen Interval (feet):**	**30.00-45.00**						
05/26/22	3868.76	39.97	3,828.98	0.23				
Field Point MW-14	**Well Screen Interval (feet):**	**27.00-42.00**						
05/24/22	3868.62	39.64	3,829.12	0.17				
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
05/24/22	3868.86	39.94	3,829.00	0.10				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
05/26/22	3868.68	39.56	3,829.18	0.07				
Field Point MW-17	**Well Screen Interval (feet):**	**29.50-44.50**						
05/25/22	3869.27	40.80	3,828.47	No	**0.084**	<0.010	**0.770**	0.037
Field Point MW-18	**Well Screen Interval (feet):**	**27.00-42.00**						
05/26/22	3868.94	40.95	3,828.99	1.20				
Field Point MW-19	**Well Screen Interval (feet):**	**27.00-42.00**						
05/26/22	3868.90	40.65	3,829.14	1.07				
Field Point MW-20	**Well Screen Interval (feet):**	**29.50-44.50**						
05/26/22	3869.15	40.39	3,828.97	0.25				

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**						
05/26/22	3869.07	40.04	3,829.13	0.12				
Field Point MW-22	**Well Screen Interval (feet):**	**30.00-45.00**						
05/25/22	3869.86	41.58	3,828.28	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-23	**Well Screen Interval (feet):**	**31.00-46.00**						
05/26/22	3869.22	40.13	3,829.11	0.03				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
05/26/22	3868.04	39.72	3,828.95	0.76				
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
05/26/22	3869.14	40.62	3,828.82	0.36				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
05/25/22	3869.15	42.10	3,828.58	1.84				
Field Point MW-27	**Well Screen Interval (feet):**	**35.00-50.00**						
05/25/22	3869.12	40.33	3,828.79	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
05/25/22	3869.32	40.40	3,828.92	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
05/24/22	3869.36	40.07	3,829.29	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-30	**Well Screen Interval (feet):**	**35.00-50.00**						
05/24/22	3869.10	39.75	3,829.35	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-31	**Well Screen Interval (feet):**	**35.00-50.00**						
05/25/22	3869.05	40.61	3,828.44	No	0.00021 J	<0.00050	<0.00050	<0.0010
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
05/25/22	3870.35	41.99	3,828.36	No	0.00073	<0.00050	<0.00050	<0.0010

TABLE 1

WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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

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**																		
05/26/22	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	0.00092	<0.00038	0.00089	<0.00038	0.036	0.022	0.026	**0.084**
Field Point MW-6	**Well Screen Interval (feet): 27.05-42.05**																		
05/26/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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**																		
05/25/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.00088 J	<0.0019	<0.0019	<0.0019	0.047	0.023	0.019	**0.089**
Field Point MW-22	**Well Screen Interval (feet): 30.00-45.00**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28	**Well Screen Interval (feet): 35.00-50.00**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-29	**Well Screen Interval (feet): 35.00-50.00**																		
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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**																		
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00053	<0.00019	<0.00019	<0.00019	<0.00019	0.00050	<0.00019	0.00050

Notes:
Data collected prior to December 8, 2015 provided by AECOM.
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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 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

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**									
05/26/22	0.0316 J	**8.87**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	26.7		1420	**1410**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
05/26/22	0.0269 J	0.424	<0.0100	<0.0500	0.0108 J	0.000918	<0.100	<0.0100	8.56 J		502	566
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
05/25/22	<0.100	0.0407	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	148		429	908
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
05/25/22	0.0240 J	**11.4**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.15		1080	**1010**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
05/25/22	<0.100	0.0212	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	32.6		285	687
Field Point MW-27	**Well Screen Interval (feet):**		**35.00-50.00**									
05/25/22	<0.100	0.0552	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	**288**		190	966
Field Point MW-28	**Well Screen Interval (feet):**		**35.00-50.00**									
05/25/22	<0.100	0.0437	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	194		167	**1150**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
05/24/22	<0.100	0.0336	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	111		191	680
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
05/24/22	<0.100	0.0461	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	142		<8.00	566
Field Point MW-31	**Well Screen Interval (feet):**		**35.00-50.00**									
05/25/22	<0.100	0.590	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	52.7		470	670
Field Point MW-32	**Well Screen Interval (feet):**		**35.00-50.00**									
05/25/22	0.0263 J	0.174	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	25.5		546	625

TABLE 3

GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Notes:
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Naphthalene is analyzed by EPA Method 8270C. Total naphthalenes are the sum of 1- and 2-methylnaphthalene and naphthalene.
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mg/l = Milligrams per liter.
BDL = Below laboratory detection limits.
< = Not detected at or above stated laboratory reporting limit.
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R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%; the lower value was reported.
X = Pre-purge/no-purge sample.
(a) = Analyzed by EPA Method 8310.
(b) = Analyzed by EPA Method 8260B.
(c) = Analyzed method unknown.
(d) = Analyzed to determine the presense of NAPL.
(e) = Insufficient water to purge.

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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				
05/24/22	3866.77	37.89	3,828.89	0.01				
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

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				
05/24/22	3869.40	41.38	3,828.16	0.17				
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	3829.18	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
05/26/22	3865.34	36.81	3,828.53	No	**0.510**	<0.0050	0.480	<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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**							
10/12/11	3864.66	34.09	3830.91	0.41				
02/22/12	3864.66	34.58	3830.54	0.56				
07/17/12	3866.18	35.21	3831.78	0.97				
10/03/12	3866.18	36.07	3831.51	1.69				
05/14/13	3866.18	35.53	3831.22	0.69				
01/27/14	3866.18	36.77	3830.47	1.28				
06/17/14	3866.18	36.76	3830.12	0.84				
11/18/14	3866.18	36.79	3830.04	0.78				
12/07/15	3866.18	36.71	3829.99	0.63				
04/26/16	3866.18	36.78	3829.72	0.38				
10/24/16	3866.18	36.60	3829.89	0.37				
05/22/17	3866.18	37.15	3829.53	0.60				
11/28/17	3866.18	37.03	3829.59	0.53				
07/17/18	3866.32	37.22	3829.38	0.34				
03/04/19	3866.32	37.53	3,829.30	0.62				
10/01/19	3866.32	37.61	3,829.21	0.60				
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				
05/24/22	3866.32	37.65	3,828.84	0.21				
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				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**						
06/23/20	3868.65	40.20	3,829.28	1.00				
12/14/20	3868.65	39.97	3,829.11	0.52				
06/29/21	3868.65	40.00	3,828.99	0.41				
12/20/21	3868.65	39.99	3,829.08	0.50				
05/24/22	3868.65	39.98	3,828.98	0.37				
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	3829.31	No	Insufficient water to sample.			
12/14/20	3868.66	39.49	3829.17	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
05/26/22	3868.66	39.78	3,828.88	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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**							
10/30/09	3864.14	31.29	3832.85	No	**0.0363**	<0.00100	0.00193	0.0356
10/13/11	3864.14	33.24	3830.90	Sheen	**0.0115**	<0.00100	<0.00100	<0.00300
02/22/12	3864.14	34.20	3829.94	Sheen	**0.0348**	<0.00100	0.0026	<0.00300
07/17/12	3865.67	33.96	3831.73	0.02				
10/03/12	3865.67	34.16	3831.52	0.01				
05/14/13	3865.67	35.96	3829.98	0.32				
01/27/14	3865.67	35.22	3830.47	0.03				
06/17/14	3865.67	35.54	3830.13	Sheen				
11/18/14	3865.67	35.64	3830.03	Sheen				
12/07/15	3865.67	35.76	3829.92	0.01				
04/26/16	3865.67	36.00	3829.68	0.01				
10/24/16	3865.67	35.84	3829.83	(d)				
05/22/17	3865.67	Dry		No				
11/28/17	3865.67	36.11	3829.56	No				
07/17/18	3865.76	Dry		No				
03/04/19	3865.76	Dry		No				
10/01/19	3865.76	Dry		No				
06/23/20	3865.76	Dry		No				
12/14/20	3865.76	Dry		No				
06/29/21	3865.76	Dry		No				
12/20/21	3865.76	Dry		No				
05/24/22	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				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**							
01/28/14	3869.82	40.12	3830.14	0.53				
06/17/14	3869.82	40.22	3829.84	0.29				
11/17/14	3869.82	40.35	3829.64	0.20				
12/07/15	3869.82	40.51	3829.51	0.24				
04/26/16	3869.82	40.68	3829.37	0.28				
10/24/16	3869.82	40.71	3829.33	0.27				
05/22/17	3869.82	40.85	3829.26	0.35				
11/28/17	3869.82	40.80	3829.21	0.23				
07/17/18	3869.90	40.90	3829.27	0.33				
03/04/19	3869.90	41.23	3,829.04	0.44				
10/01/19	3869.90	41.25	3,828.97	0.38				
06/23/20	3869.90	41.20	3,828.95	0.30				
12/14/20	3869.90	41.42	3,828.71	0.28				
06/29/21	3869.90	41.51	3,828.49	0.12				
12/20/21	3869.90	41.27	3,828.70	0.08				
05/24/22	3869.90	41.30	3,828.62	0.02				
05/25/22	3869.90	41.29	3,828.62	0.01				
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	3828.85	No	Insufficient water to sample.			
12/14/20	3870.47	41.72	3828.75	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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-10	**Well Screen Interval (feet):**	**28.08-43.08**						
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
05/24/22	3870.47	41.42	3,829.05		Insufficient water to sample.			
Field Point MW-11	**Well Screen Interval (feet):**	**29.00-44.00**						
04/30/08	3868.06	31.50	3836.56	No	<0.00100	<0.00100	<0.00100	<0.00300
09/21/08	3868.06			No				
09/26/08	3868.06	34.65	3833.41	No	0.00351	<0.00100	<0.00100	<0.00300
02/05/09	3868.06	35.12	3832.94	No	0.00401	<0.00100	<0.00100	<0.00300
05/18/09	3868.06	35.42	3832.64	No	0.00382	<0.00100	<0.00100	<0.00300
08/19/09	3868.06	35.75	3832.31	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3868.06	35.95	3832.11	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3868.06	37.60	3830.46	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3868.06	38.06	3830.00	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3869.58	38.26	3831.32	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3869.58	38.50	3831.08	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3869.58	39.01	3830.57	No	0.000606 J	<0.00017	<0.00019	<0.00018
01/28/14	3869.58	39.57	3830.01	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3869.58	39.95	3829.63	No	<0.000200	<0.00017	<0.00019	<0.00038
11/19/14	3869.58	40.20	3829.38	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3869.58	40.29	3829.29	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3869.58	40.33	3829.25	No	<0.00100	<0.00100	<0.00100	<0.00300
10/24/16	3869.58	40.49	3829.09	No				
10/25/16	3868.06			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.06	40.54	3827.52	No				
05/24/17	3868.06			No	<0.00050	0.00021 J	<0.00050	<0.00050
11/28/17	3868.06	40.61	3827.45	No				
11/29/17	3868.06			No	<0.00050	<0.00050	<0.00050	0.00022 J
07/17/18	3869.68	40.58	3829.10	No				
07/18/18	3869.68	40.58	3829.10	No	<0.00050	0.00050 J	<0.00050	<0.00050
03/04/19	3869.68	40.89	3,828.79	No				
03/07/19	3869.68	40.71	3,828.97	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.68	40.86	3,828.82	No				
10/03/19	3869.68			No	<0.00050	<0.00050	0.00033 J	<0.0010
06/23/20	3869.68	40.93	3,828.75	No				
06/25/20	3869.68			No	0.00011 J	<0.00050	0.000099 J	<0.0010
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
05/25/22	3869.68	41.28	3,828.40	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**

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**						
07/17/12	3869.27	37.90	3831.37	No	**0.050**	0.0116	0.737	0.562
10/03/12	3869.27	38.10	3831.17	No	**0.054**	0.0152	**0.822**	**1.67**
05/14/13	3869.27	38.60	3830.67	Sheen				
01/28/14	3869.27	39.30	3830.04	0.09				
06/17/14	3869.27	39.60	3829.74	0.09				
11/17/14	3869.27	40.50	3829.54	0.93				
12/07/15	3869.27	40.66	3829.46	1.03				
04/26/16	3869.27	40.38	3829.33	0.53				
10/24/16	3869.27	40.34	3829.21	0.39				
05/22/17	3869.27	40.50	3829.18	0.49				
11/28/17	3869.27	40.58	3829.09	0.48				
07/17/18	3869.40	40.57	3829.21	0.46				
03/04/19	3869.40	40.81	3,828.98	0.47				
10/01/19	3869.40	40.78	3,828.94	0.39				
06/23/20	3869.40	40.76	3,828.92	0.34				
12/14/20	3869.40	40.79	3,828.73	0.15				
06/29/21	3869.40	40.93	3,828.63	0.19				
12/20/21	3869.40	40.97	3,828.52	0.11				
05/25/22	3869.40	40.93	3,828.55	0.10				
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				
05/26/22	3868.76	39.97	3,828.98	0.23				
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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**							
02/06/09	3866.92	33.37	3833.55	No	**0.240**	0.00986	0.246	0.166
05/19/09	3866.92	33.64	3833.28	No	**0.120**	0.00203	0.0971	0.0386
08/19/09	3866.92	33.98	3832.94	No	**0.112**	<0.00100	0.110	0.0444
10/30/09	3866.92	34.15	3832.77	No	**0.119**	0.00168	0.0895	0.0645
10/13/11	3866.92	35.85	3831.07	No	**0.075**	<0.00100	0.0536	0.044
02/22/12	3866.92	36.19	3830.73	No	**0.0782**	<0.00100	0.0646	0.0212
07/17/12	3868.47	36.54	3831.93	No	**0.0798**	<0.00100	0.0731	0.0535
10/03/12	3868.47	36.90	3831.57	No	**0.107**	<0.00100	0.0965	0.0179
05/14/13	3868.47	38.39	3831.27	1.43				
01/28/14	3868.47	38.81	3830.55	1.07				
06/17/14	3868.47	38.76	3830.27	0.67				
11/18/14	3868.47	40.75	3830.04	2.79				
12/07/15	3868.47	41.49	3830.03	3.68				
04/26/16	3868.47	40.85	3829.87	2.71				
10/24/16	3868.47	40.86	3830.05	2.94				
05/22/17	3868.47	41.61	3829.72	3.44				
11/28/17	3868.47	40.00	3829.62	1.39				
07/17/18	3868.62	39.25	3829.79	0.50				
03/04/19	3868.62	39.79	3,829.54	0.85				
10/01/19	3868.62	39.85	3,830.52	2.11				
06/23/20	3868.62	40.10	3,829.42	1.09				
12/14/20	3868.62	39.58	3,829.24	0.24				
06/29/21	3868.62	39.47	3,829.17	0.03				
12/20/21	3868.62	39.56	3,829.22	0.19				
05/24/22	3868.62	39.64	3,829.12	0.17				
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				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-15	**Well Screen Interval (feet):**	**29.00-44.00**						
05/24/22	3868.86	39.94	3,829.00	0.10				
Field Point MW-16	**Well Screen Interval (feet):**	**26.50-41.50**						
04/30/08	3867.02	29.95	3837.07	No	0.00321	<0.00100	0.0237	0.0376
09/21/08	3867.02			No				
09/26/08	3867.02	32.94	3834.08	No	0.00317	<0.00100	0.0253	0.0790
02/06/09	3867.02	33.39	3833.63	No	**0.0113**	<0.00100	0.0426	0.0634
05/18/09	3867.02	33.73	3833.29	No	0.00670	<0.00100	0.0488	0.0526
08/19/09	3867.02	34.00	3833.02	No	0.00419	<0.00100	0.0251	0.0797
10/30/09	3867.02	34.17	3832.85	No	0.00391	<0.00100	0.0128	0.0564
10/30/09 D	3867.02	34.17	3832.85	No	0.00576	<0.00100	0.0350	0.122
10/13/11	3867.02	35.95	3831.07	No	0.00190	<0.00100	0.0145	0.0342
02/22/12	3867.02	36.45	3830.57	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.54	36.65	3831.89	No	0.00157	<0.00100	0.01860	0.01050
10/03/12	3868.54	37.10	3831.44	No	0.00192	<0.00100	0.06370	0.07700
05/14/13	3868.54	38.05	3831.20	0.86				
01/27/14	3868.54	39.11	3830.67	1.49				
06/17/14	3868.54	39.10	3830.32	1.06				
11/18/14	3868.54	38.88	3830.44	0.94				
12/07/15	3868.54	38.61	3830.52	0.71				
04/26/16	3868.54	39.23	3830.02	0.85				
10/24/16	3868.54	38.36	3830.61	0.52				
05/22/17	3868.54	39.30	3829.82	0.70				
11/28/17	3868.54	38.79	3830.17	0.51				
07/17/18	3868.68	39.34	3829.87	0.64				
03/04/19	3868.68	39.71	3,829.63	0.79				
10/01/19	3868.68	39.71	3,829.48	0.62				
06/23/20	3868.68	39.63	3,829.52	0.57				
12/14/20	3868.68	39.63	3,829.26	0.25				
06/29/21	3868.68	39.65	3,829.20	0.20				
12/20/21	3868.68	39.79	3,829.01	0.15				
05/26/22	3868.68	39.56	3,829.18	0.07				
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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**							
10/01/19	3869.27	40.34	3,828.93	No				
10/03/19	3869.27			No	**0.12**	<0.010	0.73	0.20
06/23/20	3869.27	40.41	3,828.86	No				
06/25/20	3869.27			No	**0.140**	<0.010	**0.910**	0.130
12/14/20	3869.27	40.48	3,828.79	No				
12/16/20	3869.27			No	**0.100**	<0.0020	0.580	0.150
06/29/21	3869.27	40.67	3,828.60	No				
06/30/21	3869.27			No	**0.110**	<0.010	**0.880**	0.540
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
05/25/22	3869.27	40.80	3,828.47	No	**0.084**	<0.010	**0.770**	0.037
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				
05/26/22	3868.94	40.95	3,828.99	1.20				
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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-19	**Well Screen Interval (feet): 27.00-42.00**							
11/28/17	3868.75	39.08	3829.67	No				
11/29/17	3868.75			No	0.0010	<0.00050	0.00098	0.00053
07/17/18	3868.90	39.11	3829.79	No				
07/18/18	3868.90			No	0.00034 J	0.00072	0.00037 J	0.00021 J
03/05/19	3868.90	39.31	3,829.59	No	0.00040 J	<0.00050	0.00029 J	<0.00050
10/01/19	3868.90	39.35	3,829.55	No				
10/02/19	3868.90			No	0.00019 J	<0.00050	<0.00050	<0.0010
06/23/20	3868.90	39.47	3,829.43	No				
06/24/20	3868.90			No	0.00017 J	<0.00050	0.00038 J	0.0010
12/14/20	3868.90	39.55	3,829.35	No				
12/15/20	3868.90			No	0.00038 J	<0.00050	0.0032	<0.0010
06/29/21	3868.90	39.80	3,829.19	0.11				
12/20/21	3868.90	39.54	3,829.79	0.52				
05/26/22	3868.90	40.65	3,829.14	1.07				
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				
05/26/22	3869.15	40.39	3,828.97	0.25				
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**							
08/19/09	3867.43	34.42	3833.01	No	<0.00100	<0.00100	<0.00100	<0.00300
10/30/09	3867.43	34.60	3832.83	No	<0.00100	<0.00100	<0.00100	<0.00300
10/13/11	3867.43	36.24	3831.19	No	<0.00100	<0.00100	<0.00100	<0.00300
02/22/12	3867.43	36.75	3830.68	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.89	36.95	3831.94	No	<0.00100	<0.00100	<0.00100	<0.00300
10/03/12	3868.89	37.15	3831.74	No	<0.00100	<0.00100	<0.00100	<0.00300
05/15/13	3868.89	37.67	3831.22	No	<0.000200	<0.00017	<0.00019	<0.00018
01/29/14	3868.89	38.35	3830.54	No	<0.000200	<0.00017	<0.00019	<0.00058
06/18/14	3868.89	38.62	3830.27	No	<0.000200	<0.00017	<0.00019	<0.00038
11/18/14	3868.89	38.87	3830.02	No	<0.00100	<0.00100	<0.00100	<0.002
12/08/15	3868.89	38.85	3830.04	No	**0.0124**	<0.00100	<0.00100	0.00780
04/27/16	3868.89	39.05	3829.84	No	**0.0115**	<0.00100	<0.00100	0.0104
10/24/16	3868.89	39.13	3829.76	No				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-21	**Well Screen Interval (feet): 29.50-44.50**							
10/25/16	3868.89			No	0.00383	<0.00100	<0.00100	<0.00300
05/22/17	3868.89	39.26	3829.73	0.12				
11/28/17	3868.89	39.63	3829.62	0.43				
07/17/18	3869.07	40.05	3829.86	1.01				
03/04/19	3869.07	40.24	3,829.62	0.95				
10/01/19	3869.07	40.13	3,829.55	0.74				
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				
12/20/21	3869.07	39.89	3,829.30	0.15				
05/26/22	3869.07	40.04	3,829.13	0.12				
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
05/25/22	3869.86	41.58	3,828.28	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

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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**						
12/08/15	3869.08	39.01	3830.07	No	**1.45**	<0.00100	0.239	<0.00300
04/27/16	3869.08	38.24	3830.84	No	**0.473**	<0.00500	0.0887	<0.0150
10/24/16	3869.08	34.35	3834.82	0.11				
05/22/17	3869.08	39.42	3829.75	0.11				
11/28/17	3869.08	39.50	3829.65	0.08				
07/17/18	3869.22	39.46	3829.82	0.07				
03/04/19	3869.22	39.72	3,829.58	0.10				
10/01/19	3869.22	39.74	3,829.52	0.05				
06/23/20	3869.22	39.81	3,829.47	0.07				
12/14/20	3869.22	39.96	3,829.30	0.05				
06/29/21	3869.22	40.07	3,829.17	0.03				
12/20/21	3869.22	40.01	3,829.28	0.08				
05/26/22	3869.22	40.13	3,829.11	0.03				
Field Point MW-24	**Well Screen Interval (feet):**	**28.00-43.00**						
02/22/12	3866.60	35.74	3830.89	0.04				
07/17/12	3867.88	39.70	3831.62	4.15				
10/03/12	3867.88	40.09	3831.40	4.35				
05/14/13	3867.88	38.05	3831.35	1.83				
01/28/14	3867.88	41.92	3830.28	5.21				
06/17/14	3867.88	43.09	3830.04	6.33				
11/18/14	3867.88	43.30	3829.98	6.50				
12/07/15	3867.88	42.51	3829.94	5.50				
04/27/16	3867.88	41.39	3829.54	3.68				
10/24/16	3867.88	42.33	3830.00	5.36				
05/22/17	3867.88	39.82	3829.55	1.80				
11/28/17	3867.88	40.54	3830.11	3.34				
07/17/18	3868.04	39.49	3829.64	1.31				
03/04/19	3868.04	40.14	3,829.39	1.80				
10/01/19	3868.04	39.98	3,828.91	1.02				
06/23/20	3868.04	40.95	3,829.21	2.55				
12/14/20	3868.04	40.04	3,829.05	1.27				
06/29/21	3868.04	38.44	3,830.51	1.10				
12/20/21	3868.04	39.38	3,829.37	0.86				
05/26/22	3868.04	39.72	3,828.95	0.76				
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				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-25	**Well Screen Interval (feet):**	**28.00-43.00**						
06/29/21	3869.14	40.78	3,828.92	0.67				
12/20/21	3869.14	40.56	3,828.97	0.47				
05/26/22	3869.14	40.62	3,828.82	0.36				
Field Point MW-26	**Well Screen Interval (feet):**	**30.00-45.00**						
02/22/12	3867.59	37.28	3830.31	No	<0.00100	<0.00100	<0.00100	<0.00300
07/17/12	3868.98	37.90	3831.08	No	0.00177	<0.00100	<0.00100	<0.00300
10/03/12	3868.98	37.93	3831.05	No	0.00236	<0.00100	<0.00100	<0.00300
05/15/13	3868.98	38.37	3830.61	No	**0.0153**	<0.00017	<0.00019	<0.00018
01/29/14	3868.98	39.01	3829.97	No	**0.0129**	<0.00017	<0.00019	<0.00058
06/18/14	3868.98	39.30	3829.68	No	0.000672 J	<0.00017	<0.00019	<0.00038
11/19/14	3868.98	39.55	3829.43	No	0.0033	<0.00100	<0.00100	<0.002
12/08/15	3868.98	39.58	3829.40	No	<0.00100	<0.00100	<0.00100	<0.00300
04/27/16	3868.98	39.78	3829.20	No	**0.0242**	<0.00100	<0.00100	<0.00300
10/24/16	3868.98	39.81	3829.17	No				
10/25/16	3868.98			No	<0.00100	<0.00100	<0.00100	<0.00300
05/22/17	3868.98	39.86	3829.12	No				
05/24/17	3868.98			No	**0.037**	0.00023 J	<0.00050	0.00044 J
11/28/17	3868.98	39.95	3829.03	No				
11/29/17	3868.98			No	0.00061	<0.00050	0.00025 J	0.00046 J
07/17/18	3869.15	39.89	3829.26	No				
07/18/18	3869.15			No	**0.12**	0.0012 J	0.059	0.17
03/04/19	3869.15	40.60	3,829.01	0.55				
10/01/19	3869.15	41.41	3,829.01	1.53				
06/23/20	3869.15	41.60	3,828.94	1.67				
12/14/20	3869.15	41.82	3,828.77	1.74				
06/29/21	3869.15	42.01	3,828.63	1.80				
12/20/21	3869.15	41.81	3,828.73	1.67				
05/25/22	3869.15	42.10	3,828.58	1.84				
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
05/25/22	3869.12	40.33	3,828.79	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				

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-28	**Well Screen Interval (feet):**	**35.00-50.00**						
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
05/25/22	3869.32	40.40	3,828.92	No	<0.00050	<0.00050	<0.00050	<0.0010
Field Point MW-29	**Well Screen Interval (feet):**	**35.00-50.00**						
07/17/18	3869.36	39.52	3829.84	No				
07/19/18	3869.36	39.47	3829.89	No	<0.00050	<0.00050	<0.00050	<0.00050
03/05/19	3869.36	39.89	3,829.47	No	<0.00050	<0.00050	<0.00050	<0.00050
10/01/19	3869.36	39.70	3,829.66	No				
10/02/19	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/23/20	3869.36	39.83	3,829.53	No				
06/24/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
12/14/20	3869.36	39.88	3,829.48	No				
12/15/20	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
06/29/21	3869.36	40.08	3,829.28	No				
06/30/21	3869.36			No	<0.00050	<0.00050	<0.00050	<0.0010
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
05/24/22	3869.36	40.07	3,829.29	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
05/24/22	3869.10	39.75	3,829.35	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
05/25/22	3869.05	40.61	3,828.44	No	0.00021 J	<0.00050	<0.00050	<0.0010

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

Date	Well Elev (feet)	GW Depth (feet)	GW Elev (feet)	NAPL (feet)	Benzene (mg/l)	Toluene (mg/l)	Ethylbenzene (mg/l)	Xylenes (mg/l)
NMED WQCC HHS					**0.01**	**0.75**	**0.75**	**0.62**
Field Point MW-32	**Well Screen Interval (feet):**	**35.00-50.00**						
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
05/25/22	3870.35	41.99	3,828.36	No	0.00073	<0.00050	<0.00050	<0.0010
Field Point SB-1GW	**Grab Groundwater Sample**							
10/28/11				No	0.00719	<0.00100	<0.00100	<0.00300
Field Point SB-2GW	**Grab Groundwater Sample**							
10/28/11				No	**1.88**	0.0938	0.138	0.26
Field Point SB-3GW	**Grab Groundwater Sample**							
10/28/11				No	**1.94**	**2.42**	**0.986**	**2.27**
Field Point SB-4GW	**Grab Groundwater Sample**							
10/28/11				No	**3.91**	0.0703	0.587	**1.15**
Field Point SB-5GW	**Grab Groundwater Sample**							
10/28/11				No	**2.9**	0.024	0.034	0.218
Field Point SB-6GW	**Grab Groundwater Sample**							
10/28/11				No	0.00133	<0.00100	0.00168	<0.00300
Field Point SB-7GW	**Grab Groundwater Sample**							
10/28/11				No	**0.135**	0.00135	0.0263	0.0759

TABLE 4

CUMULATIVE WATER LEVEL MEASUREMENTS AND GROUNDWATER ANALYSES

Gladiola Station

Lea County, New Mexico

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

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**
05/26/22	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	0.00092	<0.00038	0.00089	<0.00038	0.036	0.022	0.026	**0.084**
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

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
10/13/11	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.000980	<0.000980	<0.000980	BDL
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
05/26/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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

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
10/13/11	<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
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**

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

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
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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

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**
06/30/21	0.00014 J	0.000073 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00097	<0.00019	0.00062	<0.00019	0.058	0.023	0.025	**0.106**

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

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**																			
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**
05/25/22	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	0.00088 J	<0.0019	<0.0019	<0.0019	0.047	0.023	0.019	**0.089**
Field Point MW-18 **Well Screen Interval (feet): 27.00-42.00**																			
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.000423	0.00120	<0.000200	0.0104 R1	0.000948	0.0213 (c)	0.141 R1	0.0193	**0.1816 R1**
10/30/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	0.00202	<0.000200	0.0129 R1	0.00257 R1	0.110 (c)	0.189 R1	0.0696	**0.369 R1**
10/13/11	0.000467	0.000133	0.000114	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000143	<0.0000952	<0.0000952	0.00239	<0.0000952	0.00246	<0.0000952	0.0414	0.0292	0.0431	**0.1137**
Field Point MW-19 **Well Screen Interval (feet): 27.00-42.00**																			
08/19/09	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200	<0.00100 (c)	<0.00100	<0.00100	<0.00300
10/30/09	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204	<0.00102 (c)	<0.00102	<0.00102	BDL
10/13/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000189	<0.0000189	<0.0000283	<0.0000189	<0.0000189	<0.0000189	<0.0000377	<0.0000189	<0.0000189	<0.0000566	<0.0000566	<0.0000189	<0.00000943	<0.00000943	<0.0000189
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.00002	<0.00003	<0.00003	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00002	<0.00003	<0.00002	<0.00002	<0.00003	<0.00002	0.00022 B	<0.00002	<0.00003	0.00022 B
11/18/14	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096	<0.000096
12/09/15	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	0.000153	<0.0000952	<0.0000952	<0.0000952	0.00156	0.00147	0.000304	0.003334
04/27/16	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	<0.0000939	0.000198	<0.0000939	<0.0000939	<0.0000939	0.000772	0.000582	<0.0000939	0.001354
10/25/16	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.0000935	<0.000187
05/24/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00038
11/29/17	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00068	<0.00019	0.00018 J	<0.00019	0.00045	0.0013	0.00025	0.002
07/18/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.000085 J	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00037	<0.00019	0.000075 J	<0.00019	0.000079 J	0.000063 J	<0.00019	0.000142
06/24/20	0.000019 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00033	<0.00019	0.00012 J	<0.00019	0.00013 J	0.00013 J	0.000072 J	0.000332
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00040	<0.00019	0.00020	<0.00019	0.00058	0.0028	0.00030	0.00368
Field Point MW-20 **Well Screen Interval (feet): 29.50-44.50**																			
08/19/09	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194	<0.000971 (c)	<0.000971	<0.000971	<0.002913
10/30/09	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190	<0.000476	<0.000190	<0.000952 (c)	<0.000952	<0.000952	BDL
10/13/11	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.000943	<0.000943	<0.000943	<0.000943
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00500	<0.00189	<0.00189	<0.00500
05/15/13	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000187	<0.0000187	<0.000028	<0.0000187	<0.0000187	<0.0000187	<0.0000374	<0.0000187	<0.0000187	<0.0000561	<0.0000561	<0.0000187	<0.00000935	<0.00000935	<0.0000187
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000282	<0.0000282
06/18/14	<0.0000192	<0.0000288	<0.0000288	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000192	<0.0000288	<0.0000192	<0.0000192	<0.0000288	<0.0000192	0.000265 B	<0.0000192	<0.0000288	0.000265 B
11/18/14	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Field Point MW-21 **Well Screen Interval (feet): 29.50-44.50**																			
08/19/09	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196	<0.000980 (c)	0.00156	<0.000980	0.00156

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

Date	Acenaphthene (mg/l)	Acenaphthylene (mg/l)	Anthracene (mg/l)	Benzo(a)anthracene (mg/l)	Benzo(a)pyrene (mg/l)	Benzo(b)fluoranthene (mg/l)	Benzo(g,h,i)perylene (mg/l)	Benzo(k)fluoranthene (mg/l)	Chrysene (mg/l)	Dibenz(a,h)anthracene (mg/l)	Fluoranthene (mg/l)	Fluorene (mg/l)	Indeno(1,2,3-cd)pyrene (mg/l)	Phenanthrene (mg/l)	Pyrene (mg/l)	Naphthalene (mg/l)	1-Methylnaphthalene (mg/l)	2-Methylnaphthalene (mg/l)	Total Naphthalene (mg/l)
NMED WQCC HHS	**NA**	**NA**	**NA**	**NA**	**0.0007**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**0.03**
Field Point MW-21 **Well Screen Interval (feet): 29.50-44.50**																			
10/30/09	<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
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-23 **Well Screen Interval (feet): 31.00-46.00**																			
02/22/12	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0001	<0.0001	<0.0001	<0.0001
07/17/12	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00500	<0.00190	<0.00190	<0.00500
10/03/12	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00500	<0.00192	<0.00192	<0.00500
05/15/13	<0.000019	<0.0000381	<0.000019	<0.000019	<0.000019	<0.000019	<0.0000286	<0.000019	<0.000019	<0.000019	<0.0000381	<0.000019	<0.000019	<0.0000571	<0.0000571	<0.000019	<0.00000952	<0.00000952	<0.000019
01/29/14	<0.0000188	<0.0000282	<0.0000282	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	<0.0000188	0.0000932 J	<0.0000188	<0.0000188	0.0000687 J	0.0000724 J	<0.0000188	<0.0000188	<0.0000282	<0.0000188

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

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**																			
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
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-28 **Well Screen Interval (feet): 35.00-50.00**																			
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
03/05/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
10/02/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/24/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/15/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
06/30/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
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
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019

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

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
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-30	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<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
05/24/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
Field Point MW-31	**Well Screen Interval (feet): 35.00-50.00**																		
07/19/18	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00017 J	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
03/07/19	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00048	<0.00020	0.000075 J	<0.00020	0.00017 J	0.00052	0.00018 J	0.00070
10/03/19	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00024	<0.00019	0.000032 J	<0.00019	0.000079 J	0.00026	0.000093 J	0.000432
06/25/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
12/16/20	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
07/01/21	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019
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
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<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
05/25/22	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00053	<0.00019	<0.00019	<0.00019	<0.00019	0.00050	<0.00019	0.00050
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

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

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-2GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.00034	<0.0000971	0.000359	<0.0000971	0.00922	0.00625	0.00883	0.0243
Field Point SB-3GW	**Grab Groundwater Sample**																		
10/28/11	0.0005	0.000167	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.00165	<0.000098	0.00168	<0.000098	0.0835	0.039	0.0606	**0.1831**
Field Point SB-4GW	**Grab Groundwater Sample**																		
10/28/11	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000216	<0.000098	0.000363	<0.000098	0.0137	0.0084	0.00967	**0.03177**
Field Point SB-5GW	**Grab Groundwater Sample**																		
10/28/11	0.000137	0.000304	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	0.000725	<0.000098	0.000559	<0.000098	0.0499	0.0182	0.0269	**0.095**
Field Point SB-6GW	**Grab Groundwater Sample**																		
10/28/11	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.0000971	<0.0000971	0.000505	0.000291	0.000437	0.001233
Field Point SB-7GW	**Grab Groundwater Sample**																		
10/28/11	0.000184	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	0.000495	<0.0000971	0.000495	<0.0000971	0.0047	0.00281	0.00367	0.01118

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

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**
05/26/22	0.0316 J	**8.87**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	26.7		1420	**1410**
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

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
07/20/18	0.0284	0.288	<0.0100	0.00674 J	0.00430 J	0.000190 B,J	0.0344	<0.00500	4.6	180	430	525

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-6	**Well Screen Interval (feet):**		**27.05-42.05**									
03/07/19	<0.100	0.244	<0.0100	<0.0500	0.0138 J	0.00139	<0.100	<0.0100	4.7	20	430	505
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
05/26/22	0.0269 J	0.424	<0.0100	<0.0500	0.0108 J	0.000918	<0.100	<0.0100	8.56 J		502	566
Field Point MW-7	**Well Screen Interval (feet):**		**24.35-39.35**									
07/25/06	<0.0100	0.679	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.5	<1.00	641	800
02/07/07	0.0583	**2.46**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.4	4.48	654	200
04/15/08	0.0513	**3.00**	0.0015	0.0051	<0.00500	<0.000200	<0.0100	<0.00500	13.6	1.46	710	744
09/20/08	0.0407	**1.92**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	3.16	680	710 B
05/18/09	0.0395	**1.88**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.7	3.10	672	748
08/19/09	0.0137	**1.86**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	17.2	3.06	673	720
10/30/09	0.0112	**2.05**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	16.5	3.26	645	500
10/13/11	0.014	**2.34**	<0.00100	<0.00500	0.0054	<0.000200	<0.0100	<0.00500	14.5	3.74		
Field Point MW-8	**Well Screen Interval (feet):**		**23.05-38.05**									
07/25/06	0.0153	0.328	0.0012	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.1	8.01	593	810
02/07/07	0.0342	0.929	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.5	22.2	707	510
04/15/08	0.035	**1.22**	0.0015	0.0078	<0.00500	<0.000200	<0.0100	<0.00500	11.6	7.4	716	688
09/20/08	0.0211	0.773	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.5	9.30	633	610
05/18/09	0.0174	0.776	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	11.1	8.68	535	258
08/19/09	<0.0100	**1.14**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.3	6.57	623	676
10/30/09	<0.0100	**1.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	14.0	7.46	599	560
Field Point MW-9	**Well Screen Interval (feet):**		**27.64-42.64**									
07/21/06	0.0298	0.918	<0.00100	0.0354	0.0078	<0.000200	<0.0100	<0.00500	103	157	1010	900
02/06/07	0.0291	0.284	<0.00100	0.0075	<0.00500	<0.000200	<0.0100	<0.00500	92	89.0	717	**1110**
04/15/08	0.0694	**1.61**	0.0023	0.0473	0.0126	<0.000200	<0.0100	<0.00500	85.5	47.5	2410	684
09/21/08	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	73.3	40.7	572	520
05/18/09	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	61.0	38.3	584	644
08/19/09	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	75.8	37.9	578	744
10/30/09	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	79.3	39.3	534	610
10/13/11	0.0147	0.122	<0.00100	<0.00500	0.0059	<0.000200	<0.0100	<0.00500	101	27.5		
07/17/12	0.0175	0.0972	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	21.8	516	771
10/03/12	0.0277	0.0878	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	105	23		**1130**

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

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

TABLE 6

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Gladiola Station

Lea County, New Mexico

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NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-11	**Well Screen Interval (feet):**		**29.00-44.00**									
12/08/15	<0.0100	0.0462	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**272**	108	498	**1270**
04/27/16	<0.0100	0.0458	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**257**	99.7	479	**1250**
10/25/16	<0.0100	0.0427	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	**253**	<20.0	465	**1160**
05/24/17	0.00968 J	0.0387	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	220	120	460	**1100**
11/29/17	<0.0100	0.0530	<0.0100	0.00570 J	<0.0100	<0.000200	0.0185	0.00189 J	210	110	454	**1090**
07/18/18	0.00561 J	0.0445	<0.0100	<0.0100	<0.0100	0.000163 B,J	<0.0150	0.00260 J	170	68	440	**1040**
03/07/19	<0.100	0.0425	<0.0100	<0.0500	<0.0500	0.000240	<0.100	<0.0100	190	100	420	960
10/03/19	<0.100	0.0453	<0.0100	0.0124 J	0.0238 J	0.0000707	0.0346 J	<0.0100	157	90	471	950
06/25/20	<0.100	0.0373	<0.0100	<0.0500	0.0172 J	<0.000500	<0.100	<0.0100	110	100	455	835
12/16/20	<0.100	0.0394	0.00353 J	<0.0500	0.0169 J	<0.000500	<0.100	<0.0100	158		412	800
07/01/21	<0.100	0.0580	0.00260 J	<0.0500	0.0102 J	0.000136 J	<0.100	<0.0100	147		420	985
12/21/21	0.0164 J	0.0441	<0.00500	<0.00500	<0.00500	<0.000248	<0.020	<0.010	141			**1020 H**
05/25/22	<0.100	0.0407	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	148		429	908
Field Point MW-12	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	0.0278	**2.23**	<0.00100	0.0132	0.0082	<0.000200	<0.0100	<0.00500	10.7	8.19	995	657
09/21/08	0.0238	**5.10**	0.00130	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25.1	1.62	755	708
05/19/09	0.0233	**5.82**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	30.3	<1.00	777	**2390**
08/19/09	0.0177	**6.02**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.2	<1.00	778	750
10/30/09	0.0196	**6.63**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.7	<1.00	727	**1260**
10/13/11	0.01	**7.88**	<0.00100	<0.00500	0.0063	<0.000200	<0.0100	<0.00500	17.5	1.32		
07/17/12	0.0133	**8.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	13.4	1.18	707	757
10/03/12	<0.0100	**8.32**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	15.3	<1.00	694	724
Field Point MW-13	**Well Screen Interval (feet):**		**30.00-45.00**									
04/30/08	0.0221	**1.41**	<0.00100	0.0134	0.0104	<0.000200	<0.0100	<0.00500	61.9	209	870	**1920 A-01**
09/21/08	0.0377	**3.54**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.62	1.20	751	748
05/19/09	0.0321	**4.04**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	<1.00	800	252
08/19/09	0.0249	**4.44**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.76	<1.00	781	800
10/30/09	0.0275	**4.47**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	5.99	1.4	745	580
Field Point MW-14	**Well Screen Interval (feet):**		**27.00-42.00**									
04/30/08	0.0172	0.193	<0.00100	0.0063	<0.00500	<0.000200	<0.0100	<0.00500	5.21	195	780	919
09/21/08	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.71	19.7	647	
05/19/09	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.85	11.2	663	698

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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**									
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
07/18/18	<0.0100	**9.58**	<0.0100	0.00471 J	<0.0100	0.0000984 B,J	<0.0150	<0.00500	5.6	<1.0	850	**1000**
03/06/19	<0.100	**10.3**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.7	<1.0	860	845
10/03/19	<0.100	**9.99**	<0.0100	<0.0500	0.0286 J	0.0000580	0.0297 J	<0.0100	4.63	<10	847	840
06/25/20	<0.100	**9.45**	<0.0100	<0.0500	0.0148 J	<0.000500	<0.100	<0.0100	2.62	<10	859	855

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-17	**Well Screen Interval (feet):**		**29.50-44.50**									
12/16/20	0.0226 J	**11.0**	0.00415 J	0.00691 J	0.0140 J	<0.000500	<0.100	<0.0100	6.64		1060	860
06/30/21	0.0259 J	**13.1**	0.00417 J	<0.0500	<0.0500	<0.000248	<0.100	<0.0100	6.85		1040	920
12/21/21	<0.00200	**13.1**	0.0027 J	<0.00500	<0.00500	<0.000248	<0.020	<0.010	4.43			**1070 H**
05/25/22	0.0240 J	**11.4**	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	7.15		1080	**1010**
Field Point MW-18	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	113	232	961	**1510**
10/30/09	0.0377	0.249	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	28.1	42.8	989	890
10/13/11	0.0102	0.138	<0.00100	<0.00500	0.0065	<0.000200	<0.0100	<0.00500	46.6	15.7		
Field Point MW-19	**Well Screen Interval (feet):**		**27.00-42.00**									
08/19/09	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	29.6	145	224	554
10/30/09	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	23.1	148	209	380
10/13/11	0.0197	0.0321	<0.00100	<0.00500	0.0052	<0.000200	<0.0100	<0.00500	30	140		
07/17/12	0.0237	0.0357	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.2	150	196	595
10/03/12	0.0308	0.0271	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.8	151	195	579
05/15/13	0.0185	0.0307	<0.000200	<0.0012	0.0099	<0.00015	<0.0064	<0.0013	36	156	189	585
01/29/14	0.028	0.0281	<0.000200	<0.0012	0.0039 J	<0.00015	<0.0064	<0.0013	40.9	163	203	570 B
06/18/14	0.0161	0.0247	0.0006 J	<0.00300	<0.002	<0.00015	0.0083 J	<0.0025	43.6 B	176	192	621
11/18/14	0.02	0.023	<0.00100	<0.00500	0.0098	<0.000200	<0.0100	<0.00500	43	170	190	610
12/09/15	0.0275	0.0242	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41.2	162	234	610
04/27/16	0.0253	0.0265	<0.00100	<0.00500	<0.00500	<0.000200	0.0108	<0.00500	39.5	131	248	623
10/25/16	0.0240	0.0288	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	32.7	152	296	617
05/24/17	0.0327	0.0496	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	25	150	342	620
11/29/17	0.0382	0.0579	<0.0100	**0.116**	<0.0100	<0.000200	0.00751 J	<0.00500	23	130	361	605
07/18/18	0.0388	0.0497	<0.0100	<0.0100	<0.0100	0.000112 B,J	<0.0150	<0.00500	36	120	300	610
03/05/19	<0.100	0.0458	<0.0100	<0.0500	0.00991 J	<0.000200	<0.100	<0.0100	36	110	330	515
10/02/19	<0.100	0.0477	<0.0100	0.00788 J	<0.0500	0.0000658	<0.100	<0.0100	36.2	100	325	515
06/24/20	0.0299 J	0.0520	<0.0100	<0.0500	0.0152 J	<0.000500	<0.100	<0.0100	43.9	110	306	595
12/15/20	<0.100	0.0860 F1	0.00321 J	0.0451 J	0.0198 J	<0.000500	<0.100	<0.0100	40.9		415	635
Field Point MW-20	**Well Screen Interval (feet):**		**29.50-44.50**									
08/19/09	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	<0.000200	0.015	<0.00500	**440**	417	187	**1580**
10/30/09	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	<0.000200	0.0148	<0.00500	**301**	386	235	**1230**
10/13/11	<0.0100	0.0521	<0.00100	<0.00500	0.0057	<0.000200	0.0212	<0.00500	**391**	428		

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

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**									
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
11/19/14	0.019	0.018	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	41	240	230	800
12/08/15	0.0176	0.0221	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.2	204	260	689
04/27/16	0.0201	0.0215	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	33.6	184	256	664
10/25/16	0.0190	0.0283	<0.00100	0.00700	<0.00500	<0.000200	<0.0100	<0.00500	37.4	22.4	236	709

TABLE 6

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Gladiola Station

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NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-22	**Well Screen Interval (feet):**		**30.00-45.00**									
05/24/17	0.0141	0.0199	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	200	260	650
11/29/17	0.0194	0.0259	<0.0100	<0.0100	<0.0100	<0.000200	<0.0150	<0.00500	32	190	250	675
07/18/18	0.0236	0.0223	<0.0100	<0.0100	<0.0100	0.000161 B,J	0.0432	<0.00500	34	19	240	615
03/06/19	<0.100	0.0212	<0.0100	<0.0500	0.012 J	<0.000200	<0.100	<0.0100	36	190	260	600
10/03/19	<0.100	0.0251	<0.0100	<0.0500	0.0241 J	0.0000579	0.0249 J	<0.0100	31.8	160	273	590
06/25/20	<0.100	0.0204	<0.0100	<0.0500	0.0162 J	<0.000500	<0.100	<0.0100	28.8	160	266	580
12/16/20	<0.100	0.0268	0.00296 J	<0.0500	0.0186 J	<0.000500	<0.100	<0.0100	32.7		261	620
07/01/21	<0.100	0.0425	0.00206 J	<0.0500	0.0147 J	0.000189 J	<0.100	<0.0100	31.3		276	630
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
05/25/22	<0.100	0.0212	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	32.6		285	687
Field Point MW-23	**Well Screen Interval (feet):**		**31.00-46.00**									
02/22/12	0.0258	0.061	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0307	0.0392	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.06	91.9	425	652
10/03/12	0.0335	0.0334	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.34	79.4	412	654
05/15/13	0.0259	0.037	<0.000200	<0.0012	0.0065	<0.00015	0.0129	<0.0013	2.85	73.6 J	377	635
01/29/14	0.0343	0.0385	<0.000200	<0.0012	0.0052	<0.00015	<0.0064	<0.0013	3.76	109	393	597 B
06/18/14	0.0308	0.0889	0.0007 J	0.0035 J	0.0027 J	<0.00015	0.0063 J	<0.0025	4.27 B	111	370	628
11/18/14	0.033	0.053	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	3.9	100	370	630
12/08/15	0.0452	0.102	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	4.59	42.9	476	624
04/27/16	0.0577	0.768	<0.00100	**0.0832**	0.0314	<0.000200	<0.0100	<0.00500	6.70	51.9	429	607
Field Point MW-25	**Well Screen Interval (feet):**		**28.00-43.00**									
02/22/12	0.062	**7.1**	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
Field Point MW-26	**Well Screen Interval (feet):**		**30.00-45.00**									
02/22/12	0.0135	0.0408	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500				
07/17/12	0.0123	0.0391	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	19.5	136	304	723
10/03/12	0.0198	0.0296	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24	165	307	736
05/15/13	0.019	0.0366	<0.000200	<0.0012	<0.0017	<0.00015	0.0085 J	<0.0013	25.6	196	303	769
01/29/14	0.0159	0.0335	<0.000200	<0.0012	<0.0035	<0.00015	<0.0064	<0.0013	26.6	192	332	751 B
06/18/14	0.0133	0.0508	0.0006 J	<0.00300	<0.002	<0.00015	0.0068 J	<0.0025	25.3 B	188	307	787
11/19/14	0.015	0.031	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	25	220	320	830
12/08/15	0.0161	0.0530	<0.00100	<0.00500	<0.00500	<0.000200	<0.0100	<0.00500	24.8	204	336	781
04/27/16	0.0165	0.111	<0.00100	<0.00500	0.00600	0.000399	<0.0100	<0.00500	31.7	98.6	308	771

TABLE 6

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Lea County, New Mexico

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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**									
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**
05/25/22	<0.100	0.0552	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	**288**		190	966
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**
05/25/22	<0.100	0.0437	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	194		167	**1150**
Field Point MW-29	**Well Screen Interval (feet):**		**35.00-50.00**									
07/19/18	0.0213	0.0809	<0.0100	<0.0100	<0.0100	0.000116 B,J	0.0282	0.00145 J	190	100	170	805
03/05/19	<0.100	0.0488	<0.0100	<0.0500	0.0118 J	<0.000200	<0.100	<0.0100	160	110	180	605
10/02/19	<0.100	0.0434	<0.0100	<0.0500	0.0146 J	0.000105	<0.100	<0.0100	177	88	182	630
06/24/20	<0.100	0.0496	<0.0100	<0.0500	0.0196 J	<0.000500	<0.100	<0.0100	189	100	175	730
12/15/20	<0.100	0.0382	0.00256 J	<0.0500	0.0213 J	<0.000500	<0.100	<0.0100	180		178	660
06/30/21	<0.100	0.0455	0.00203 J	<0.0500	0.0119 J	<0.000248	<0.100	<0.0100	148		182	720
12/21/21	0.0125 J	0.0446	<0.00500	<0.00500	<0.00500	<0.000248	0.0123 J	<0.010	147			780 H
05/24/22	<0.100	0.0336	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	111		191	680

TABLE 6

CUMULATIVE GROUNDWATER ANALYTICAL RESULTS FOR METALS AND ADDITIONAL PARAMETERS

Gladiola Station

Lea County, New Mexico

Date	Arsenic (mg/l)	Barium (mg/l)	Cadmium (mg/l)	Chromium (mg/l)	Lead (mg/l)	Mercury (mg/l)	Selenium (mg/l)	Silver (mg/l)	Chloride (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	TDS (mg/l)
NMED WQCC HHS	**0.1**	**1**	**0.01**	**0.05**	**0.05**	**0.002**	**0.05**	**0.05**	**250.0**	**600.0**	**NA**	**1000.0**
Field Point MW-30	**Well Screen Interval (feet):**		**35.00-50.00**									
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
05/24/22	<0.100	0.0461	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	142		<8.00	566
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
05/25/22	<0.100	0.590	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	52.7		470	670
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
05/25/22	0.0263 J	0.174	<0.0100	<0.0500	<0.0500	<0.000200	<0.100	<0.0100	25.5		546	625
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

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

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		
05/26/22					0.042	0.054	0.0040 J	0.045		0.0054				
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														
05/26/22	0.0046 J													
Field Point MW-10														
05/24/17														
11/29/17	0.0056 J									0.00036 J				
07/20/18	0.0081 J									0.00060				
03/07/19	0.0041 J				0.00043 J		0.00015 J	0.00010 J	0.00013 J	0.0012	0.00025 J	0.00038 J	0.00018 J	
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														
05/25/22														

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

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														
11/29/17					0.056	0.087 J	0.0058 J	0.051		0.0070 J		0.17	0.023	
07/18/18					0.047	0.057 J	0.0046 J	0.044		0.0057 J		0.094	0.012	
03/06/19					0.042	0.061 J	0.0033 J	0.035		0.0052 J		0.028	0.0033 J	
10/03/19					0.052	0.091	0.0053 J	0.050	0.0015 J	0.0066 J		0.14	0.013	
06/25/20			0.031 J B		0.066	0.098	0.0052 J	0.069	0.0015 J	0.0088 J		0.110	0.012	
12/16/20					0.042	0.064	0.0031	0.039		0.0042		0.070	0.020	
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	
05/25/22					0.060	0.073		0.061		0.0060 J		0.052	0.0058	
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														
05/25/22														
Field Point MW-26														
05/24/17				0.0011		0.00077 J						0.0014		

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

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-26														
11/29/17												0.00045 J		
07/18/18					0.017	0.026 J	0.0050	0.017	0.0036	0.0042		0.12	0.041	
Field Point MW-27														
07/19/18	0.0045 J													
03/06/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21	0.0040 J													
12/21/21														
05/25/22														
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														
05/25/22														
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														
05/24/22														

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

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														
07/19/18														
03/05/19														
10/02/19														
06/24/20														
12/15/20														
06/30/21														
12/21/21														
05/24/22														
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				
05/25/22										0.0010	0.00028 J	0.00037 J		
Field Point MW-32														
07/19/18	0.0050 J				0.0054			0.00039 J	0.0014	0.0016	0.00084	0.012	0.010	
03/06/19					0.0023	0.00071 J		0.00012 J	0.00064	0.0019	0.0011	0.0012	0.0041	
10/03/19					0.0016			0.000094 J	0.00035 J	0.0017	0.0010	0.00036 J	0.00028 J	
06/24/20					0.00059				0.00049 J	0.0019	0.0014	0.00021 J		
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			
05/25/22									0.00070	0.0017	0.0011			

TABLE 7

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

(EXCEPT BTEX AND FUEL OXYGENATES)

Gladiola Station

Lea County, New Mexico

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.

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
Prior to December 2015		101	---	101
Subtotal Removed		**101**	**---**	**101**
MW-1	12/07/15	2.0	---	2.0
MW-1	06/25/20	0.25	1.75	2.0
MW-1	12/17/20	(a)	(a)	0.25
MW-1	06/29/21	0.0625	0.4375	0.50
MW-1	12/20/21	0.25	0.50	0.75
MW-1	05/24/22	0.003	---	0.003
Subtotal Removed		**2.57**	**2.69**	**5.50**
MW-2	12/22/21	---	1.50	1.50
MW-2	05/24/22	0.04	---	0.04
Subtotal Removed		**0.04**	**1.50**	**1.54**
MW-4	12/07/15	1.5	---	1.50
MW-4	04/29/16	(a)	(a)	(b)
MW-4	12/17/20	(a)	(a)	0.50
MW-4	06/29/21	0.125	0.375	0.50
MW-4	12/20/21	0.25	0.25	0.50
MW-4	05/24/22	0.01	---	0.01
Subtotal Removed		**1.89**	**0.625**	**3.01**
MW-5	12/07/15	2.5	---	2.5
MW-5	04/29/16	(a)	(a)	(b)
MW-5	11/29/17	1.0	---	1.0
MW-5	06/25/20	0.13	0.48	0.61
MW-5	12/17/20	(a)	(a)	0.50
MW-5	06/29/21	0.0625	0.4375	0.50
MW-5	12/20/21	0.125	0.75	0.875
MW-5	05/24/22	0.13	---	0.13
Subtotal Removed		**3.95**	**1.66**	**6.11**
MW-9	12/07/15	1.75	---	1.75
MW-9	06/25/20	0.08	0.40	0.48
MW-9	12/17/20	(a)	(a)	0.50
MW-9	06/29/21	0.0625	0.4375	0.50
MW-9	12/20/21	0.125	0.375	0.50
MW-9	05/25/22	0.0005	---	0.0005
Subtotal Removed		**2.02**	**1.21**	**3.73**
MW-12	12/07/15	2.5	---	2.5
MW-12	04/29/16	(a)	(a)	(b)
MW-12	06/25/20	0.75	2.0	2.75
MW-12	12/17/20	(a)	(a)	1.0
MW-12	06/29/21	0.125	0.875	1.0
MW-12	12/20/21	0.25	1.25	1.5
MW-12	05/25/22	0.08	---	0.08
Subtotal Removed		**3.71**	**4.125**	**8.83**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-13	12/07/15	3.0	---	3.0
MW-13	04/29/16	2.0	---	2.0
MW-13	06/25/20	1.75	2.0	3.75
MW-13	12/17/20	(a)	(a)	1.0
MW-13	06/29/21	0.25	0.75	1.0
MW-13	12/20/21	0.25	1.75	2.0
MW-13	05/26/21	0.07	---	0.07
Subtotal Removed		**7.32**	**4.50**	**12.82**
MW-14	12/07/15	3.0	---	3.0
MW-14	04/28/16	2.0	---	2.0
MW-14	11/29/17	3.0	---	3.0
MW-14	06/25/20	0.99	1.32	2.31
MW-14	12/17/20	(a)	(a)	1.0
MW-14	06/29/21	0.125	0.875	1.0
MW-14	12/20/21	0.25	1.5	1.75
MW-14	05/24/22	0.07	---	0.07
Subtotal Removed		**9.44**	**3.70**	**14.13**
MW-15	12/07/15	3.0	---	3.0
MW-15	04/29/16	(a)	(a)	(b)
MW-15	06/25/20	0.18	1.32	1.51
MW-15	12/17/20	(a)	(a)	1.0
MW-15	06/29/21	0.0625	0.4375	0.50
MW-15	12/20/21	0.125	1.25	1.375
MW-15	05/24/22	0.05	---	0.05
Subtotal Removed		**3.42**	**3.01**	**7.43**
MW-16	12/07/15	2.5	---	2.5
MW-16	04/29/16	(a)	(a)	(b)
MW-16	06/25/20	0.26	1.32	1.59
MW-16	12/17/20	(a)	(a)	1.0
MW-16	06/29/21	0.125	0.875	1.0
MW-16	12/20/21	0.25	0.5	0.75
MW-16	05/26/21	0.003	---	0.003
Subtotal Removed		**3.14**	**2.70**	**6.84**
MW-18	12/07/15	1.75	---	1.75
MW-18	04/29/16	(a)	(a)	(b)
MW-18	06/25/20	0.25	1.75	2.0
MW-18	12/17/20	(a)	(a)	1.25
MW-18	06/29/21	0.5	1.5	2.0
MW-18	12/20/21	1.0	1.5	2.5
MW-18	05/26/21	1.5	---	1.5
Subtotal Removed		**5.00**	**4.75**	**11.00**
MW-19	06/29/21	0.0625	0.4375	0.5
MW-19	12/20/21	0.25	1.75	2.0
MW-19	05/26/21	2.0	---	2.0
Subtotal Removed		**2.31**	**2.19**	**4.50**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
MW-20	12/07/15	2.0	---	2.0
MW-20	04/29/16	(a)	(a)	(b)
MW-20	06/25/20	1.45	0.92	2.38
MW-20	12/17/20	1.25	1.75	3.0
MW-20	06/29/21	1.0	1.5	2.5
MW-20	12/20/21	0.25	1.75	2.0
MW-20	05/26/21	0.05	---	0.05
Subtotal Removed		**6.00**	**5.92**	**11.93**
MW-21	06/25/20	0.79	1.32	2.11
MW-21	12/17/20	(a)	(a)	0.75
MW-21	06/29/21	0.0625	0.4375	0.50
MW-21	12/20/21	0.125	0.50	0.63
MW-21	05/26/21	0.03	---	0.03
Subtotal Removed		**1.01**	**2.26**	**4.02**
MW-23	06/25/20	0.004	0.07	0.07
MW-23	12/17/20	(a)	(a)	0.50
MW-23	06/29/21	0.0625	0.4375	0.50
MW-23	12/20/21	0.125	0.50	0.625
MW-23	05/26/21	0.003	---	0.003
Subtotal Removed		**0.19**	**1.00**	**1.70**
MW-24	12/07/15	2.5	---	2.5
MW-24	04/28/16	2.25	---	2.25
MW-24	11/29/17	2.0	---	2.0
MW-24	06/25/20	1.85	1.85	3.7
MW-24	12/17/20	(a)	(a)	1.0
MW-24	06/29/21	0.125	0.875	1.0
MW-24	12/20/21	0.25	0.5	0.75
MW-24	05/26/21	0.13	---	0.13
Subtotal Removed		**9.10**	**3.22**	**13.33**
MW-25	12/07/15	2.0	---	2.0
MW-25	04/29/16	(a)	(a)	(b)
MW-25	11/29/17	2.0	---	2.0
MW-25	06/25/20	1.0	0.50	1.5
MW-25	12/17/20	(a)	(a)	0.50
MW-25	06/29/21	0.25	0.75	1.0
MW-25	12/20/21	0.25	0.75	1.0
MW-25	05/26/21	0.05	---	0.05
Subtotal Removed		**5.55**	**2.00**	**8.05**
MW-26	06/25/20	1.25	1.25	2.5
MW-26	12/17/20	0.75	1.25	2.0
MW-26	06/29/21	0.40	0.60	1.0
MW-26	12/20/21	1.0	0.50	1.5
MW-26	05/25/22	0.66	---	0.66
Subtotal Removed		**4.06**	**3.60**	**7.66**

TABLE 8
NAPL RECOVERY RESULTS
Gladiola Station
Lea County, New Mexico

Event or Well	Date	NAPL Removed (gallons)	Water Removed (gallons)	NAPL-Water Removed (gallons)
NAPL Removal	04/29/16	(a)	(a)	6
NAPL Pumping Test	10/26/16	(a)	(a)	100
NAPL Recovery Test	5/24-25/17	10-15	---	10-15
Subtotal Removed		**10.00**	**---**	**116.00**
Total Removed		**181.72**	**50.66**	**349.13**

Explanation:
NAPL = non-aqueous phase liquid
(a) = Amount of NAPL and water individually removed unknown.
(b) = Approximately 6 gallons removed during the event. See NAPL Removal Event on 04/29/16.

APPENDIX A

Field Data Sheets

②

Case Formula	Case Conversion Factors
$r^2 \times 0.163$	2" x 0.163 6" x 1.457 4" x 0.652

Project #:
Location#: Gladiola st NM
Date: 5-24-22 / 5-26-22
Sampler: MLoch

Time	Well ID	Case Diameter	Odor/Sheen	Total Depth	Pre-Purge DTW	DTP	Product Thickness	TOC	Elevation	Notes
9:05 5/24/22	MW-9	2"			41.30	41.28	0.02			0.2 ML NAPL
9:10	MW-2	2"			41.38	41.21	0.17			150 ML NAPL
9:50	MW-4	2"			37.65	37.44				50 ML
10:20	MW-01	2"			37.89	37.88				10 ML
10:50	MW-15	4"			39.94	39.84				0. 200 ML
11:05	MW 5	2"			39.98	39.61				0.5 liter
11:25	MW-14	4"			39.64	39.47				0.25 liter
5/25/22	MW 12 ~~MW26~~	4"	MW 12		40.93	40.83	0.10			300 ML
10:50	MW 26	2"			42.10	40.26	1.84			2.5 Liters
~~11:05~~	MW-09	2"			41.29	41.28	0.001			NONE
~~11:22~~	MW-16	4"			39.56	39.49		9:40 AM		10 ML
5/26/22	MW-19	4"			40.65	39.58		10:00 Am		2.2 gallons
	MW 23	2"			40.13	40.10	0.03			10 ML
11:00	MW 21	4"		40.04 ~~39.97~~		39.92	0.12			100 ML
11:25	MW 20	4"			40.39	40.14	0.25			200 ML
12:00	MW 24	2"			39.72	38.96				0.5 liter
12:40	MW-13	4"			39.97	39.74	0.23			0.25 liter
13:20	MW 8	4"			40.95	39.75	1.20			1.5 gallon
13:50	MW-25	2"			40.62	40.26	0.36			200 ML

⑥ #16 Lost 3" Bailer in well Before I opened Top. Used 2" Bailer

42.10
40.26
1.84

#19 Bailer in well - 3"

#13 missing Bailer in well

PURGING AND SAMPLING RECORD - FIELD LOG — SPC mS/cm

CLIENT NAME: EXXONMOBIL Former Gladiola Station — CARDNO # 01362

SITE LOCATION: County Road 169 Tatum NM, 88267 — ANALYSIS: TPHg/8260B

FIELD CREW: — DATE: 5-24-22 — ms/cm — %

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. ~~µV~~	TEMP °C	pH (meter)	TURBIDITY NTU	DO ~~ppm~~	ORP mV
MW30	1227	39.75	55.20		55.20	4	NA	NA	0.779	20.8	7.57	11.19	55.5	102.3
	1230								0.794	19.4	7.43	8.82	56.5	105.1
	1233								0.806	19.3	7.39	8.56	58.7	106.3
	1236								0.822	19.2	7.35	8.78	61.8	107.7
	1239								0.874	19.3	7.27	8.22	69.6	111.2
Stab. Water														

COMMENTS:

%

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ~~ppm~~	ORP mV
MW25	1345	40.07				4	—	—	.957	20.4	7.53	17.46	75.8	55.6
	1348								.966	19.2	7.43	11.69	75.3	72.9
	1351								1.009	19.3	7.35	6.50	75.1	83.5
	1354								1.038	19.4	7.30	6.18	74.1	88.5
	1357								1.053	19.4	7.28	6.65	72.5	91.5
Stab. Water														

COMMENTS:

%

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ~~ppm~~	ORP mV
MW28	0825	40.40	54.00			4			1.747	16.5	7.23	5.75	73.1	155.2
	0828								1.751	17.9	7.16	4.97	69.7	151.9
	0831								1.752	18.2	7.15	4.80	69.5	146.2
	0834								1.751	18.2	7.14	4.23	69.4	143.5
	0837								1.751	18.3	7.14	4.21	69.5	137.3
Stab. Water														

COMMENTS:

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: EXXONMOBIL Former Gladiola Station | **CARDNO # 01362**

SITE LOCATION: County Road 169 Tatum NM, 88267 | **ANALYSIS: TPHg/8260B**

FIELD CREW: | **DATE:**

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW11	1208	41.28	48.00			4			1.512	19.2	6.92	4.61	53.7	72.7
	1211								1.512	19.0	6.87	3.99	53.3	78.1
	1214								1.527	19.0	6.87	3.65	53.5	81.4
	1217								1.526	19.0	6.86	3.34	52.7	86.5
	1220								1.540	19.0	6.86	2.98	51.2	101.6
Stab. Water														

COMMENTS:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW10	1250	41.42	42.90											
	1253													
	1256			Well is to dry to get Readings										
	1259													
	1302													
Stab. Water														

COMMENTS:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW22		41.58	50.00						1.037	19.4	7.36	11.22	19.7	27.1
									1.037	19.3	7.32	11.42	17.3	~~202~~ 16.6
									1.037	19.2	7.31	8.50	21.5	
									1.039	19.3	7.33	7.65	24.3	18.3
									1.039	19.2	7.32	7.38	24.5	19.4
Stab. Water														

COMMENTS:

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: EXXONMOBIL Former Gladiola Station — CARDNO # 01362

SITE LOCATION: County Road 169 Tatum NM, 88267 — ANALYSIS: TPHg/8260B

FIELD CREW: — DATE:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW17	1428	40.50	48.50			4			1.773	19.9	7.03	4.64	3.3	-149.1
	1431								1.781	19.7	6.99	4.26	1.5	-146.3
	1434								1.780	19.8	6.97	4.33	1.1	-143.2
	1437								1.777	19.8	6.97	4.58	0.6	-142.6
	1440								1.775	19.8	6.97	4.70	0.3	-141.3
Stab. Water														

COMMENTS:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW3	0843	36.81	45.00			4	—	—	2.261	19.0	7.35	104.52	10.1	-170.2
	0846								2.253	19.0	7.23	96.78	3.0	-167.8
	0849								2.253	19.1	7.20	71.66	1.9	-162.5
	0852								2.256	19.1	7.20	59.48	1.0	-163.9
	0855								2.264	19.2	7.20	47.31	0.4	-163.0
Stab. Water														

COMMENTS:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW6	0930	39.78	42.30							20.0				over rng
	0933									18.8				
	0936									18.1				
	0939													
	0942													
Stab. Water														

COMMENTS:

not ~~ever~~ enough water to purge bailed samples

~~7.44~~ 7.44

PURGING AND SAMPLING RECORD - FIELD LOG

CLIENT NAME: EXXONMOBIL Former Gladiola Station

SITE LOCATION: County Road 169 Tatum NM, 88267

CARDNO # 01362

ANALYSIS: TPHg/8260B

FIELD CREW:

DATE:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW27	0850	40.33	54.60						1.628	17.6	6.85	2.84	51.3	159.8
	0853								1.629	18.0	6.81	2.72	49.5	156.0
	0856								1.628	18.3	6.80	2.76	48.9	152.0
	0859								1.628	18.3	6.80	2.62	48.5	148.9
	0902								1.628	18.4	6.81	2.106	48.3	145.5
Stab. Water														

COMMENTS:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW32	0956	41.99	53.40						1.090	18.7	6.99	1.84	5.4	-157.4
	0959								1.059	18.7	6.92	1.78	2.9	-159.6
	1002								1.089	18.7	6.91	1.81	2.0	-159.6
	1005								1.090	18.5	6.90	1.80	1.3	-160.2
	1008								1.089	18.9	6.90	1.81	0.9	-160.7
									1.089	18.9	6.90	1.84	0.5	-160.0
Stab. Water														

-159.9

COMMENTS:

WELL #	TIME	DEPTH TO WATER (ft.)	DEPTH TO WELL (ft.)	SCREEN INTERVAL (ft.)	TOTAL WELL DEPTH (ft.)	CASE DIA (")	CASE VOL(gal)	PRG VOL (gal)	COND. µV	TEMP °C	pH (meter)	TURBIDITY NTU	DO ppm	ORP mV
MW31	1133	40.61	54.50						1.142	19.3	7.00	3.02	14.7	52.6
	1136								1.141	19.1	6.88	2.84	3.9	59.9
	1139								1.140	19.0	6.88	2.98	2.6	64.7
	1142								1.138	19.0	6.87	2.63	1.6	67.7
	1145								1.138	19.1	6.86	2.65	1.0	67.7
Stab. Water														

COMMENTS:

APPENDIX B

Laboratory Analytical Reports

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Tel: (714)895-5494

Laboratory Job ID: 570-97823-1
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:
6/16/2022 9:40:28 PM

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

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

Laboratory Job ID: 570-97823-1

Table of Contents

Sample Summary

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

Job ID: 570-97823-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
570-97823-1	MW30	Water	05/24/22 12:45	05/27/22 10:30
570-97823-2	MW29	Water	05/24/22 14:00	05/27/22 10:30
570-97823-3	MW28	Water	05/25/22 08:40	05/27/22 10:30
570-97823-4	MW27	Water	05/25/22 09:20	05/27/22 10:30
570-97823-5	MW32	Water	05/25/22 10:10	05/27/22 10:30
570-97823-6	MW31	Water	05/25/22 11:50	05/27/22 10:30
570-97823-7	MW11	Water	05/25/22 12:25	05/28/22 10:15
570-97823-8	MW22	Water	05/25/22 13:45	05/28/22 10:15
570-97823-9	MW17	Water	05/25/22 14:45	05/28/22 10:15
570-97823-10	MW3	Water	05/26/22 09:00	05/28/22 10:15
570-97823-11	MW6	Water	05/26/22 09:45	05/28/22 10:15

Definitions/Glossary

Client: Cardno, Inc Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

Qualifiers

GC/MS VOA

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

GC/MS Semi VOA

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

Metals

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

General Chemistry

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

Glossary

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

Case Narrative

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

Job ID: 570-97823-1

Job ID: 570-97823-1

Laboratory: Eurofins Calscience

Narrative

Job Narrative
570-97823-1

Comments
No additional comments.

Receipt
The samples were received on 5/27/2022 10:30 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 4.0º C and 4.6º C.

Receipt Exceptions

The following samples were listed on the Chain-of-Custody (COC); however, due to a shipping delay, the sample was not received until the following. Only 1, 2 of 4 coolers were received on 05/28/2022. The temperatures of the two coolers at receipt time were 4.9º C and 5.1º C.

GC/MS VOA
Method 8260B: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 570-239071 recovered outside control limits for the following analyte: Trichlorofluoromethane. Laboratory control sample / laboratory control sample duplicate (LCS/LCSD) percent recovery is in control for affected analytes.

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

Method 8260B: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with analytical batch 570-239071. 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 570-239407. 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 570-239520. 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
The reference method requires samples to be preserved to a pH of <2. The following samples were received with insufficient preservation at a pH of >2: MW-3 (570-97754-3), MW-14 (570-97754-4), MW17 (570-97823-9), MW3 (570-97823-10) and MW6 (570-97823-11). The sample(s) was preserved to the appropriate pH in the laboratory.

samples preserved 6/1/22 at 1330pm
HN03 lot:6878220
Amount: .5mL

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

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

Case Narrative

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

Job ID: 570-97823-1

Job ID: 570-97823-1 (Continued)

Laboratory: Eurofins Calscience (Continued)

Organic Prep
Method 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 570-237833 and 570-237833. 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: 570-97823-1

Client Sample ID: MW30 — Lab Sample ID: 570-97823-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0461		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Total Dissolved Solids	566		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	142		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW29 — Lab Sample ID: 570-97823-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0336		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	191		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	680		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	111		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW28 — Lab Sample ID: 570-97823-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0437		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	167		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	1150		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	194		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW27 — Lab Sample ID: 570-97823-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0552		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	190		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	966		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	288		10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW32 — Lab Sample ID: 570-97823-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.73		0.50	0.14	ug/L	1		8260B	Total/NA
p-Isopropyltoluene	0.70		0.50	0.20	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.7		0.50	0.20	ug/L	1		8260B	Total/NA
tert-Butylbenzene	1.1		0.50	0.21	ug/L	1		8260B	Total/NA
Fluorene	0.53		0.19	0.071	ug/L	1		8270C SIM	Total/NA
1-Methylnaphthalene	0.50		0.19	0.069	ug/L	1		8270C SIM	Total/NA
Arsenic	0.0263	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.174		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	546		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	625		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	25.5		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW31 — Lab Sample ID: 570-97823-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.21	J	0.50	0.14	ug/L	1		8260B	Total/NA
1,2,4-Trimethylbenzene	0.37	J	0.50	0.22	ug/L	1		8260B	Total/NA
sec-Butylbenzene	1.0		0.50	0.20	ug/L	1		8260B	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: 570-97823-1

Client Sample ID: MW31 (Continued) — Lab Sample ID: 570-97823-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
tert-Butylbenzene	0.28	J	0.50	0.21	ug/L	1		8260B	Total/NA
Barium	0.590		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	470		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	670		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	52.7		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW11 — Lab Sample ID: 570-97823-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0407		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	429		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	908		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	148		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW22 — Lab Sample ID: 570-97823-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	0.0212		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	285		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	687		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	32.6		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW17 — Lab Sample ID: 570-97823-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	84		10	2.8	ug/L	20		8260B	Total/NA
Ethylbenzene	770		10	3.3	ug/L	20		8260B	Total/NA
m,p-Xylene	37		20	7.9	ug/L	20		8260B	Total/NA
Xylenes, Total	37		20	7.9	ug/L	20		8260B	Total/NA
1,2,4-Trimethylbenzene	52		10	4.5	ug/L	20		8260B	Total/NA
1,3,5-Trimethylbenzene	5.8	J	10	3.7	ug/L	20		8260B	Total/NA
Isopropylbenzene	60		10	4.2	ug/L	20		8260B	Total/NA
Naphthalene	73		20	11	ug/L	20		8260B	Total/NA
N-Propylbenzene	61		10	3.5	ug/L	20		8260B	Total/NA
sec-Butylbenzene	6.0	J	10	3.9	ug/L	20		8260B	Total/NA
Fluorene	0.88	J	1.9	0.71	ug/L	10		8270C SIM	Total/NA
1-Methylnaphthalene	23		1.9	0.69	ug/L	10		8270C SIM	Total/NA
2-Methylnaphthalene	19		1.9	0.73	ug/L	10		8270C SIM	Total/NA
Naphthalene	47		1.9	0.78	ug/L	10		8270C SIM	Total/NA
Arsenic	0.0240	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	11.4		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	1080		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	1010		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	7.15		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW3 — Lab Sample ID: 570-97823-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	510		5.0	1.4	ug/L	10		8260B	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: 570-97823-1

Client Sample ID: MW3 (Continued) — Lab Sample ID: 570-97823-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ethylbenzene	480		5.0	1.6	ug/L	10		8260B	Total/NA
Isopropylbenzene	42		5.0	2.1	ug/L	10		8260B	Total/NA
Naphthalene	54		10	5.5	ug/L	10		8260B	Total/NA
n-Butylbenzene	4.0	J	5.0	2.4	ug/L	10		8260B	Total/NA
N-Propylbenzene	45		5.0	1.8	ug/L	10		8260B	Total/NA
sec-Butylbenzene	5.4		5.0	2.0	ug/L	10		8260B	Total/NA
Fluorene - DL	0.92		0.38	0.14	ug/L	2		8270C SIM	Total/NA
1-Methylnaphthalene - DL	22		0.38	0.14	ug/L	2		8270C SIM	Total/NA
2-Methylnaphthalene - DL	26		0.38	0.15	ug/L	2		8270C SIM	Total/NA
Naphthalene - DL	36		0.38	0.16	ug/L	2		8270C SIM	Total/NA
Phenanthrene - DL	0.89		0.38	0.14	ug/L	2		8270C SIM	Total/NA
Arsenic	0.0316	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	8.87		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	1420		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	1410		20.0	17.4	mg/L	1		SM 2540C	Total/NA
Chloride	26.7		2.00	0.596	mg/L	1		SM 4500 Cl- C	Total/NA

Client Sample ID: MW6 — Lab Sample ID: 570-97823-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.6	J	8.0	3.6	ug/L	1		8260B	Total/NA
Mercury	0.000918		0.000200	0.000124	mg/L	1		245.1	Total/NA
Arsenic	0.0269	J	0.100	0.0199	mg/L	1		6010B	Total Recoverable
Barium	0.424		0.0100	0.00111	mg/L	1		6010B	Total Recoverable
Lead	0.0108	J	0.0500	0.00527	mg/L	1		6010B	Total Recoverable
Alkalinity, Total (As CaCO3)	502		8.00	2.60	mg/L	1		2320B-2011	Total/NA
Total Dissolved Solids	566		10.0	8.70	mg/L	1		SM 2540C	Total/NA
Chloride	8.56	J	10.0	2.98	mg/L	1		SM 4500 Cl- C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW30

Date Collected: 05/24/22 12:45
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/06/22 18:59	1
Toluene	ND		0.50	0.14	ug/L			06/06/22 18:59	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/06/22 18:59	1
o-Xylene	ND		0.50	0.18	ug/L			06/06/22 18:59	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/06/22 18:59	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/06/22 18:59	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/06/22 18:59	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/06/22 18:59	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/06/22 18:59	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/06/22 18:59	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/06/22 18:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/06/22 18:59	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/06/22 18:59	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/06/22 18:59	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/06/22 18:59	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 18:59	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/06/22 18:59	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 18:59	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/06/22 18:59	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/06/22 18:59	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/06/22 18:59	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/06/22 18:59	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/06/22 18:59	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/06/22 18:59	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/06/22 18:59	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/06/22 18:59	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/06/22 18:59	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/06/22 18:59	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/06/22 18:59	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/06/22 18:59	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/06/22 18:59	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/06/22 18:59	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/06/22 18:59	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/06/22 18:59	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/06/22 18:59	1
Acetone	ND		8.0	3.6	ug/L			06/06/22 18:59	1
Bromobenzene	ND		0.50	0.14	ug/L			06/06/22 18:59	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/06/22 18:59	1
Bromoform	ND		0.50	0.28	ug/L			06/06/22 18:59	1
Bromomethane	ND		2.0	1.9	ug/L			06/06/22 18:59	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/06/22 18:59	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/06/22 18:59	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/06/22 18:59	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/06/22 18:59	1
Chloroethane	ND		0.50	0.38	ug/L			06/06/22 18:59	1
Chloroform	ND		0.50	0.17	ug/L			06/06/22 18:59	1
Chloromethane	ND		1.0	0.65	ug/L			06/06/22 18:59	1
Dibromomethane	ND		0.50	0.16	ug/L			06/06/22 18:59	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/06/22 18:59	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW30
Date Collected: 05/24/22 12:45
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-1
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	0.51	ug/L			06/06/22 18:59	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/06/22 18:59	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/06/22 18:59	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/06/22 18:59	1
2-Butanone	ND		5.0	2.9	ug/L			06/06/22 18:59	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/06/22 18:59	1
2-Hexanone	ND		6.0	2.0	ug/L			06/06/22 18:59	1
Naphthalene	ND		1.0	0.55	ug/L			06/06/22 18:59	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/06/22 18:59	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/06/22 18:59	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/06/22 18:59	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/06/22 18:59	1
Styrene	ND		0.50	0.27	ug/L			06/06/22 18:59	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/06/22 18:59	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/06/22 18:59	1
Trichloroethene	ND		0.50	0.15	ug/L			06/06/22 18:59	1
Trichlorofluoromethane	ND	*1	0.50	0.26	ug/L			06/06/22 18:59	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/06/22 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*64 - 132*		*06/06/22 18:59*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*06/06/22 18:59*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/06/22 18:59*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/06/22 18:59*	*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		05/31/22 09:55	06/06/22 14:40	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/31/22 09:55	06/06/22 14:40	1
Anthracene	ND		0.19	0.056	ug/L		05/31/22 09:55	06/06/22 14:40	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		05/31/22 09:55	06/06/22 14:40	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		05/31/22 09:55	06/06/22 14:40	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		05/31/22 09:55	06/06/22 14:40	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		05/31/22 09:55	06/06/22 14:40	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		05/31/22 09:55	06/06/22 14:40	1
Chrysene	ND		0.19	0.056	ug/L		05/31/22 09:55	06/06/22 14:40	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		05/31/22 09:55	06/06/22 14:40	1
Fluoranthene	ND		0.19	0.064	ug/L		05/31/22 09:55	06/06/22 14:40	1
Fluorene	ND		0.19	0.071	ug/L		05/31/22 09:55	06/06/22 14:40	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		05/31/22 09:55	06/06/22 14:40	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		05/31/22 09:55	06/06/22 14:40	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		05/31/22 09:55	06/06/22 14:40	1
Naphthalene	ND		0.19	0.079	ug/L		05/31/22 09:55	06/06/22 14:40	1
Phenanthrene	ND		0.19	0.069	ug/L		05/31/22 09:55	06/06/22 14:40	1
Pyrene	ND		0.19	0.063	ug/L		05/31/22 09:55	06/06/22 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*50*		*33 - 144*	*05/31/22 09:55*	*06/06/22 14:40*	*1*
Nitrobenzene-d5 (Surr)	*47*		*28 - 139*	*05/31/22 09:55*	*06/06/22 14:40*	*1*
p-Terphenyl-d14 (Surr)	*54*		*23 - 160*	*05/31/22 09:55*	*06/06/22 14:40*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW30

Date Collected: 05/24/22 12:45
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-1
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 16:08	1
Barium	**0.0461**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 16:08	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 16:08	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 16:08	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 16:08	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 16:08	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 16:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		8.00	2.60	mg/L			06/06/22 18:19	1
Total Dissolved Solids	**566**		10.0	8.70	mg/L			05/31/22 15:09	1
Chloride	**142**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW29

Date Collected: 05/24/22 14:00
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-2
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/06/22 19:27	1
Toluene	ND		0.50	0.14	ug/L			06/06/22 19:27	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/06/22 19:27	1
o-Xylene	ND		0.50	0.18	ug/L			06/06/22 19:27	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/06/22 19:27	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/06/22 19:27	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/06/22 19:27	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/06/22 19:27	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/06/22 19:27	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/06/22 19:27	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/06/22 19:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/06/22 19:27	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/06/22 19:27	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/06/22 19:27	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/06/22 19:27	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 19:27	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/06/22 19:27	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 19:27	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/06/22 19:27	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/06/22 19:27	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/06/22 19:27	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/06/22 19:27	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/06/22 19:27	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/06/22 19:27	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/06/22 19:27	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/06/22 19:27	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW29

Date Collected: 05/24/22 14:00
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/06/22 19:27	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/06/22 19:27	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/06/22 19:27	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/06/22 19:27	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/06/22 19:27	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/06/22 19:27	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/06/22 19:27	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/06/22 19:27	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/06/22 19:27	1
Acetone	ND		8.0	3.6	ug/L			06/06/22 19:27	1
Bromobenzene	ND		0.50	0.14	ug/L			06/06/22 19:27	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/06/22 19:27	1
Bromoform	ND		0.50	0.28	ug/L			06/06/22 19:27	1
Bromomethane	ND		2.0	1.9	ug/L			06/06/22 19:27	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/06/22 19:27	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/06/22 19:27	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/06/22 19:27	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/06/22 19:27	1
Chloroethane	ND		0.50	0.38	ug/L			06/06/22 19:27	1
Chloroform	ND		0.50	0.17	ug/L			06/06/22 19:27	1
Chloromethane	ND		1.0	0.65	ug/L			06/06/22 19:27	1
Dibromomethane	ND		0.50	0.16	ug/L			06/06/22 19:27	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/06/22 19:27	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/06/22 19:27	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/06/22 19:27	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/06/22 19:27	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/06/22 19:27	1
2-Butanone	ND		5.0	2.9	ug/L			06/06/22 19:27	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/06/22 19:27	1
2-Hexanone	ND		6.0	2.0	ug/L			06/06/22 19:27	1
Naphthalene	ND		1.0	0.55	ug/L			06/06/22 19:27	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/06/22 19:27	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/06/22 19:27	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/06/22 19:27	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/06/22 19:27	1
Styrene	ND		0.50	0.27	ug/L			06/06/22 19:27	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/06/22 19:27	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/06/22 19:27	1
Trichloroethene	ND		0.50	0.15	ug/L			06/06/22 19:27	1
Trichlorofluoromethane	ND	*1	0.50	0.26	ug/L			06/06/22 19:27	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/06/22 19:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 132*		*06/06/22 19:27*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*06/06/22 19:27*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/06/22 19:27*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*06/06/22 19:27*	*1*

Client Sample Results

Client: Cardno, Inc
Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: MW29
Lab Sample ID: 570-97823-2
Date Collected: 05/24/22 14:00
Matrix: Water
Date Received: 05/27/22 10:30

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		05/31/22 09:55	06/06/22 15:01	1
Acenaphthylene	ND		0.19	0.065	ug/L		05/31/22 09:55	06/06/22 15:01	1
Anthracene	ND		0.19	0.056	ug/L		05/31/22 09:55	06/06/22 15:01	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		05/31/22 09:55	06/06/22 15:01	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		05/31/22 09:55	06/06/22 15:01	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		05/31/22 09:55	06/06/22 15:01	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		05/31/22 09:55	06/06/22 15:01	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		05/31/22 09:55	06/06/22 15:01	1
Chrysene	ND		0.19	0.056	ug/L		05/31/22 09:55	06/06/22 15:01	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		05/31/22 09:55	06/06/22 15:01	1
Fluoranthene	ND		0.19	0.064	ug/L		05/31/22 09:55	06/06/22 15:01	1
Fluorene	ND		0.19	0.071	ug/L		05/31/22 09:55	06/06/22 15:01	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		05/31/22 09:55	06/06/22 15:01	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		05/31/22 09:55	06/06/22 15:01	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		05/31/22 09:55	06/06/22 15:01	1
Naphthalene	ND		0.19	0.078	ug/L		05/31/22 09:55	06/06/22 15:01	1
Phenanthrene	ND		0.19	0.069	ug/L		05/31/22 09:55	06/06/22 15:01	1
Pyrene	ND		0.19	0.063	ug/L		05/31/22 09:55	06/06/22 15:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*50*		*33 - 144*	*05/31/22 09:55*	*06/06/22 15:01*	*1*
Nitrobenzene-d5 (Surr)	*38*		*28 - 139*	*05/31/22 09:55*	*06/06/22 15:01*	*1*
p-Terphenyl-d14 (Surr)	*56*		*23 - 160*	*05/31/22 09:55*	*06/06/22 15:01*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 16:11	1
Barium	**0.0336**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 16:11	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 16:11	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 16:11	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 16:11	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 16:11	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 16:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**191**		8.00	2.60	mg/L			06/06/22 18:26	1
Total Dissolved Solids	**680**		10.0	8.70	mg/L			05/31/22 15:09	1
Chloride	**111**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW28
Lab Sample ID: 570-97823-3
Date Collected: 05/25/22 08:40
Matrix: Water
Date Received: 05/27/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/07/22 03:50	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW28

Date Collected: 05/25/22 08:40
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.14	ug/L			06/07/22 03:50	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 03:50	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 03:50	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 03:50	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 03:50	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 03:50	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 03:50	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 03:50	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 03:50	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 03:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 03:50	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 03:50	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 03:50	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 03:50	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 03:50	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 03:50	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 03:50	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 03:50	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 03:50	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 03:50	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 03:50	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 03:50	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 03:50	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 03:50	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 03:50	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 03:50	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 03:50	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 03:50	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 03:50	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 03:50	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 03:50	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 03:50	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 03:50	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 03:50	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 03:50	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 03:50	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 03:50	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 03:50	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 03:50	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 03:50	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 03:50	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 03:50	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 03:50	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 03:50	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 03:50	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 03:50	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 03:50	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 03:50	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 03:50	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW28
Date Collected: 05/25/22 08:40
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-3
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/07/22 03:50	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 03:50	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 03:50	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 03:50	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 03:50	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 03:50	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 03:50	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 03:50	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 03:50	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 03:50	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/07/22 03:50	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 03:50	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/07/22 03:50	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 03:50	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 03:50	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 03:50	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 03:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*112*		*64 - 132*		*06/07/22 03:50*	*1*
4-Bromofluorobenzene (Surr)	*89*		*76 - 120*		*06/07/22 03:50*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*06/07/22 03:50*	*1*
Toluene-d8 (Surr)	*105*		*80 - 120*		*06/07/22 03:50*	*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		06/01/22 05:23	06/03/22 19:06	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/03/22 19:06	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 19:06	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/03/22 19:06	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/03/22 19:06	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 19:06	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		06/01/22 05:23	06/03/22 19:06	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		06/01/22 05:23	06/03/22 19:06	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 19:06	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 19:06	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/03/22 19:06	1
Fluorene	ND		0.19	0.071	ug/L		06/01/22 05:23	06/03/22 19:06	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/03/22 19:06	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 19:06	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/03/22 19:06	1
Naphthalene	ND		0.19	0.078	ug/L		06/01/22 05:23	06/03/22 19:06	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 19:06	1
Pyrene	ND		0.19	0.063	ug/L		06/01/22 05:23	06/03/22 19:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*33 - 144*	*06/01/22 05:23*	*06/03/22 19:06*	*1*
Nitrobenzene-d5 (Surr)	*38*		*28 - 139*	*06/01/22 05:23*	*06/03/22 19:06*	*1*
p-Terphenyl-d14 (Surr)	*61*		*23 - 160*	*06/01/22 05:23*	*06/03/22 19:06*	*1*

Client Sample Results

Client: Cardno, Inc
Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

Client Sample ID: MW28
Lab Sample ID: 570-97823-3
Date Collected: 05/25/22 08:40
Matrix: Water
Date Received: 05/27/22 10:30

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 16:13	1
Barium	**0.0437**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 16:13	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 16:13	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 16:13	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 16:13	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 16:13	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 16:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**167**		8.00	2.60	mg/L			06/08/22 01:35	1
Total Dissolved Solids	**1150**		20.0	17.4	mg/L			05/31/22 15:09	1
Chloride	**194**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW27
Lab Sample ID: 570-97823-4
Date Collected: 05/25/22 09:20
Matrix: Water
Date Received: 05/27/22 10:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/07/22 16:57	1
Toluene	ND		0.50	0.14	ug/L			06/07/22 16:57	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 16:57	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 16:57	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 16:57	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 16:57	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 16:57	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 16:57	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 16:57	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 16:57	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 16:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 16:57	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 16:57	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 16:57	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 16:57	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 16:57	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 16:57	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 16:57	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 16:57	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 16:57	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 16:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 16:57	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 16:57	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 16:57	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 16:57	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 16:57	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW27
Date Collected: 05/25/22 09:20
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 16:57	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 16:57	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 16:57	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 16:57	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 16:57	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 16:57	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 16:57	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 16:57	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 16:57	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 16:57	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 16:57	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 16:57	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 16:57	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 16:57	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 16:57	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 16:57	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 16:57	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 16:57	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 16:57	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 16:57	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 16:57	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 16:57	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 16:57	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 16:57	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/07/22 16:57	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 16:57	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 16:57	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 16:57	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 16:57	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 16:57	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 16:57	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 16:57	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 16:57	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 16:57	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/07/22 16:57	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 16:57	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/07/22 16:57	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 16:57	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 16:57	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 16:57	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 16:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*06/07/22 16:57*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*06/07/22 16:57*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/07/22 16:57*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/07/22 16:57*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW27

Date Collected: 05/25/22 09:20
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		06/01/22 05:23	06/03/22 19:26	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/03/22 19:26	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 19:26	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/03/22 19:26	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/03/22 19:26	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 19:26	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		06/01/22 05:23	06/03/22 19:26	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		06/01/22 05:23	06/03/22 19:26	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 19:26	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 19:26	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/03/22 19:26	1
Fluorene	ND		0.19	0.071	ug/L		06/01/22 05:23	06/03/22 19:26	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/03/22 19:26	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 19:26	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/03/22 19:26	1
Naphthalene	ND		0.19	0.078	ug/L		06/01/22 05:23	06/03/22 19:26	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 19:26	1
Pyrene	ND		0.19	0.063	ug/L		06/01/22 05:23	06/03/22 19:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*33 - 144*	*06/01/22 05:23*	*06/03/22 19:26*	*1*
Nitrobenzene-d5 (Surr)	*49*		*28 - 139*	*06/01/22 05:23*	*06/03/22 19:26*	*1*
p-Terphenyl-d14 (Surr)	*59*		*23 - 160*	*06/01/22 05:23*	*06/03/22 19:26*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 18:02	1
Barium	**0.0552**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 18:02	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 18:02	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 18:02	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 18:02	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 18:02	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 18:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**190**		8.00	2.60	mg/L			06/08/22 00:02	1
Total Dissolved Solids	**966**		20.0	17.4	mg/L			05/31/22 15:09	1
Chloride	**288**		10.0	2.98	mg/L			06/15/22 13:51	1

Client Sample ID: MW32

Date Collected: 05/25/22 10:10
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-5
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.73**		0.50	0.14	ug/L			06/07/22 17:25	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW32

Date Collected: 05/25/22 10:10
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.14	ug/L			06/07/22 17:25	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 17:25	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 17:25	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 17:25	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 17:25	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 17:25	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 17:25	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 17:25	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 17:25	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 17:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 17:25	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 17:25	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 17:25	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 17:25	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 17:25	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 17:25	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 17:25	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 17:25	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 17:25	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 17:25	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 17:25	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 17:25	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 17:25	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 17:25	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 17:25	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 17:25	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 17:25	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 17:25	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 17:25	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 17:25	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 17:25	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 17:25	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 17:25	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 17:25	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 17:25	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 17:25	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 17:25	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 17:25	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 17:25	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 17:25	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 17:25	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 17:25	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 17:25	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 17:25	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 17:25	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 17:25	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 17:25	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 17:25	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 17:25	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW32
Date Collected: 05/25/22 10:10
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-5
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	0.27	ug/L			06/07/22 17:25	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 17:25	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 17:25	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 17:25	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 17:25	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 17:25	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 17:25	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 17:25	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 17:25	1
p-Isopropyltoluene	**0.70**		0.50	0.20	ug/L			06/07/22 17:25	1
sec-Butylbenzene	**1.7**		0.50	0.20	ug/L			06/07/22 17:25	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 17:25	1
tert-Butylbenzene	**1.1**		0.50	0.21	ug/L			06/07/22 17:25	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 17:25	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 17:25	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 17:25	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 17:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*64 - 132*		*06/07/22 17:25*	*1*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*		*06/07/22 17:25*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*		*06/07/22 17:25*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/22 17:25*	*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		06/01/22 05:23	06/03/22 19:47	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/03/22 19:47	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 19:47	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/03/22 19:47	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/03/22 19:47	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 19:47	1
Benzo[g,h,i]perylene	ND		0.19	0.095	ug/L		06/01/22 05:23	06/03/22 19:47	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		06/01/22 05:23	06/03/22 19:47	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 19:47	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 19:47	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/03/22 19:47	1
Fluorene	**0.53**		0.19	0.071	ug/L		06/01/22 05:23	06/03/22 19:47	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/03/22 19:47	1
1-Methylnaphthalene	**0.50**		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 19:47	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/03/22 19:47	1
Naphthalene	ND		0.19	0.078	ug/L		06/01/22 05:23	06/03/22 19:47	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 19:47	1
Pyrene	ND		0.19	0.062	ug/L		06/01/22 05:23	06/03/22 19:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*55*		*33 - 144*	*06/01/22 05:23*	*06/03/22 19:47*	*1*
Nitrobenzene-d5 (Surr)	*41*		*28 - 139*	*06/01/22 05:23*	*06/03/22 19:47*	*1*
p-Terphenyl-d14 (Surr)	*60*		*23 - 160*	*06/01/22 05:23*	*06/03/22 19:47*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW32

Date Collected: 05/25/22 10:10
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-5
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0263**	**J**	0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 18:05	1
Barium	**0.174**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 18:05	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 18:05	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 18:05	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 18:05	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 18:05	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 18:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**546**		8.00	2.60	mg/L			06/08/22 01:03	1
Total Dissolved Solids	**625**		10.0	8.70	mg/L			05/31/22 15:09	1
Chloride	**25.5**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW31

Date Collected: 05/25/22 11:50
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.21**	**J**	0.50	0.14	ug/L			06/07/22 17:53	1
Toluene	ND		0.50	0.14	ug/L			06/07/22 17:53	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 17:53	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 17:53	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 17:53	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 17:53	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 17:53	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 17:53	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 17:53	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 17:53	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 17:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 17:53	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 17:53	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 17:53	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 17:53	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 17:53	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 17:53	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 17:53	1
1,2,4-Trimethylbenzene	**0.37**	**J**	0.50	0.22	ug/L			06/07/22 17:53	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 17:53	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 17:53	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 17:53	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 17:53	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 17:53	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 17:53	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 17:53	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW31
Date Collected: 05/25/22 11:50
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 17:53	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 17:53	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 17:53	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 17:53	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 17:53	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 17:53	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 17:53	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 17:53	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 17:53	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 17:53	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 17:53	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 17:53	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 17:53	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 17:53	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 17:53	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 17:53	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 17:53	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 17:53	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 17:53	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 17:53	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 17:53	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 17:53	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 17:53	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 17:53	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/07/22 17:53	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 17:53	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 17:53	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 17:53	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 17:53	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 17:53	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 17:53	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 17:53	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 17:53	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 17:53	1
sec-Butylbenzene	**1.0**		0.50	0.20	ug/L			06/07/22 17:53	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 17:53	1
tert-Butylbenzene	**0.28**	**J**	0.50	0.21	ug/L			06/07/22 17:53	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 17:53	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 17:53	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 17:53	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*06/07/22 17:53*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*06/07/22 17:53*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/07/22 17:53*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/07/22 17:53*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW31

Date Collected: 05/25/22 11:50
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-6
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		06/01/22 05:23	06/03/22 20:07	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/03/22 20:07	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 20:07	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/03/22 20:07	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/03/22 20:07	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 20:07	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		06/01/22 05:23	06/03/22 20:07	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		06/01/22 05:23	06/03/22 20:07	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 20:07	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 20:07	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/03/22 20:07	1
Fluorene	ND		0.19	0.071	ug/L		06/01/22 05:23	06/03/22 20:07	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/03/22 20:07	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 20:07	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/03/22 20:07	1
Naphthalene	ND		0.19	0.078	ug/L		06/01/22 05:23	06/03/22 20:07	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 20:07	1
Pyrene	ND		0.19	0.063	ug/L		06/01/22 05:23	06/03/22 20:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*48*		*33 - 144*	*06/01/22 05:23*	*06/03/22 20:07*	*1*
Nitrobenzene-d5 (Surr)	*41*		*28 - 139*	*06/01/22 05:23*	*06/03/22 20:07*	*1*
p-Terphenyl-d14 (Surr)	*54*		*23 - 160*	*06/01/22 05:23*	*06/03/22 20:07*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 18:07	1
Barium	**0.590**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 18:07	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 18:07	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 18:07	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 18:07	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 18:07	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 18:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**470**		8.00	2.60	mg/L			06/07/22 23:49	1
Total Dissolved Solids	**670**		10.0	8.70	mg/L			05/31/22 15:09	1
Chloride	**52.7**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW11

Date Collected: 05/25/22 12:25
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/07/22 18:20	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW11

Date Collected: 05/25/22 12:25
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.14	ug/L			06/07/22 18:20	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 18:20	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 18:20	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 18:20	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 18:20	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 18:20	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 18:20	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 18:20	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 18:20	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 18:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 18:20	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 18:20	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 18:20	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 18:20	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 18:20	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 18:20	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 18:20	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 18:20	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 18:20	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 18:20	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 18:20	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 18:20	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 18:20	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 18:20	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 18:20	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 18:20	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 18:20	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 18:20	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 18:20	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 18:20	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 18:20	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 18:20	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 18:20	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 18:20	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 18:20	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 18:20	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 18:20	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 18:20	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 18:20	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 18:20	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 18:20	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 18:20	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 18:20	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 18:20	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 18:20	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 18:20	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 18:20	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 18:20	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 18:20	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW11
Date Collected: 05/25/22 12:25
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-7
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	0.27	ug/L			06/07/22 18:20	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 18:20	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 18:20	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 18:20	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 18:20	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 18:20	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 18:20	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 18:20	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 18:20	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 18:20	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/07/22 18:20	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 18:20	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/07/22 18:20	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 18:20	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 18:20	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 18:20	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 18:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*64 - 132*		*06/07/22 18:20*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*06/07/22 18:20*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/07/22 18:20*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*06/07/22 18:20*	*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		06/01/22 05:23	06/03/22 20:27	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/03/22 20:27	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 20:27	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/03/22 20:27	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/03/22 20:27	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 20:27	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		06/01/22 05:23	06/03/22 20:27	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		06/01/22 05:23	06/03/22 20:27	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 20:27	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 20:27	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/03/22 20:27	1
Fluorene	ND		0.19	0.071	ug/L		06/01/22 05:23	06/03/22 20:27	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/03/22 20:27	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 20:27	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/03/22 20:27	1
Naphthalene	ND		0.19	0.078	ug/L		06/01/22 05:23	06/03/22 20:27	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 20:27	1
Pyrene	ND		0.19	0.063	ug/L		06/01/22 05:23	06/03/22 20:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*33 - 144*	*06/01/22 05:23*	*06/03/22 20:27*	*1*
Nitrobenzene-d5 (Surr)	*52*		*28 - 139*	*06/01/22 05:23*	*06/03/22 20:27*	*1*
p-Terphenyl-d14 (Surr)	*55*		*23 - 160*	*06/01/22 05:23*	*06/03/22 20:27*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW11

Date Collected: 05/25/22 12:25
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-7
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 18:10	1
Barium	**0.0407**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 18:10	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 18:10	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 18:10	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 18:10	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 18:10	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 18:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**429**		8.00	2.60	mg/L			06/08/22 01:21	1
Total Dissolved Solids	**908**		20.0	17.4	mg/L			06/01/22 19:42	1
Chloride	**148**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW22

Date Collected: 05/25/22 13:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/07/22 18:48	1
Toluene	ND		0.50	0.14	ug/L			06/07/22 18:48	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 18:48	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 18:48	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 18:48	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 18:48	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 18:48	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 18:48	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 18:48	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 18:48	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 18:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 18:48	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 18:48	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 18:48	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 18:48	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 18:48	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 18:48	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 18:48	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 18:48	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 18:48	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 18:48	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 18:48	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 18:48	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 18:48	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 18:48	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 18:48	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW22

Date Collected: 05/25/22 13:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 18:48	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 18:48	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 18:48	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 18:48	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 18:48	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 18:48	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 18:48	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 18:48	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 18:48	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 18:48	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 18:48	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 18:48	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 18:48	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 18:48	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 18:48	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 18:48	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 18:48	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 18:48	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 18:48	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 18:48	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 18:48	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 18:48	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 18:48	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 18:48	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/07/22 18:48	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 18:48	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 18:48	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 18:48	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 18:48	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 18:48	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 18:48	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 18:48	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 18:48	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 18:48	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/07/22 18:48	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 18:48	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/07/22 18:48	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 18:48	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 18:48	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 18:48	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*06/07/22 18:48*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*06/07/22 18:48*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/07/22 18:48*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/22 18:48*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW22

Date Collected: 05/25/22 13:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.19	0.092	ug/L		06/01/22 05:23	06/03/22 20:48	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/03/22 20:48	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 20:48	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/03/22 20:48	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/03/22 20:48	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 20:48	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		06/01/22 05:23	06/03/22 20:48	1
Benzo[k]fluoranthene	ND		0.19	0.089	ug/L		06/01/22 05:23	06/03/22 20:48	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/03/22 20:48	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/03/22 20:48	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/03/22 20:48	1
Fluorene	ND		0.19	0.071	ug/L		06/01/22 05:23	06/03/22 20:48	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/03/22 20:48	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 20:48	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/03/22 20:48	1
Naphthalene	ND		0.19	0.079	ug/L		06/01/22 05:23	06/03/22 20:48	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/03/22 20:48	1
Pyrene	ND		0.19	0.063	ug/L		06/01/22 05:23	06/03/22 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*49*		*33 - 144*	*06/01/22 05:23*	*06/03/22 20:48*	*1*
Nitrobenzene-d5 (Surr)	*43*		*28 - 139*	*06/01/22 05:23*	*06/03/22 20:48*	*1*
p-Terphenyl-d14 (Surr)	*52*		*23 - 160*	*06/01/22 05:23*	*06/03/22 20:48*	*1*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 18:12	1
Barium	**0.0212**		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 18:12	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 18:12	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 18:12	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 18:12	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 18:12	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 18:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**285**		8.00	2.60	mg/L			06/08/22 01:27	1
Total Dissolved Solids	**687**		10.0	8.70	mg/L			06/01/22 19:42	1
Chloride	**32.6**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW17

Date Collected: 05/25/22 14:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**84**		10	2.8	ug/L			06/07/22 19:16	20

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW17
Date Collected: 05/25/22 14:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		10	2.8	ug/L			06/07/22 19:16	20
Ethylbenzene	**770**		10	3.3	ug/L			06/07/22 19:16	20
o-Xylene	ND		10	3.6	ug/L			06/07/22 19:16	20
m,p-Xylene	**37**		20	7.9	ug/L			06/07/22 19:16	20
Xylenes, Total	**37**		20	7.9	ug/L			06/07/22 19:16	20
Methyl-t-Butyl Ether (MTBE)	ND		10	2.8	ug/L			06/07/22 19:16	20
1,1,1,2-Tetrachloroethane	ND		10	4.0	ug/L			06/07/22 19:16	20
1,1,1-Trichloroethane	ND		10	4.0	ug/L			06/07/22 19:16	20
1,1,2,2-Tetrachloroethane	ND		10	2.7	ug/L			06/07/22 19:16	20
1,1,2-Trichloroethane	ND		10	3.6	ug/L			06/07/22 19:16	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		10	5.0	ug/L			06/07/22 19:16	20
1,1-Dichloroethane	ND		10	4.2	ug/L			06/07/22 19:16	20
1,1-Dichloroethene	ND		10	4.2	ug/L			06/07/22 19:16	20
1,1-Dichloropropene	ND		10	3.2	ug/L			06/07/22 19:16	20
1,2,3-Trichlorobenzene	ND		10	5.2	ug/L			06/07/22 19:16	20
1,2,3-Trichloropropane	ND		10	6.2	ug/L			06/07/22 19:16	20
1,2,4-Trichlorobenzene	ND		10	5.2	ug/L			06/07/22 19:16	20
1,2,4-Trimethylbenzene	**52**		10	4.5	ug/L			06/07/22 19:16	20
1,3,5-Trimethylbenzene	**5.8**	**J**	10	3.7	ug/L			06/07/22 19:16	20
c-1,2-Dichloroethene	ND		10	3.1	ug/L			06/07/22 19:16	20
1,2-Dibromo-3-Chloropropane	ND		20	17	ug/L			06/07/22 19:16	20
1,2-Dichlorobenzene	ND		10	2.8	ug/L			06/07/22 19:16	20
1,2-Dichloroethane	ND		10	2.7	ug/L			06/07/22 19:16	20
1,2-Dichloropropane	ND		10	2.9	ug/L			06/07/22 19:16	20
t-1,2-Dichloroethene	ND		10	4.4	ug/L			06/07/22 19:16	20
c-1,3-Dichloropropene	ND		10	3.1	ug/L			06/07/22 19:16	20
1,3-Dichlorobenzene	ND		10	3.2	ug/L			06/07/22 19:16	20
1,3-Dichloropropane	ND		10	3.8	ug/L			06/07/22 19:16	20
t-1,3-Dichloropropene	ND		10	4.2	ug/L			06/07/22 19:16	20
1,4-Dichlorobenzene	ND		10	2.3	ug/L			06/07/22 19:16	20
2,2-Dichloropropane	ND		10	5.1	ug/L			06/07/22 19:16	20
2-Chlorotoluene	ND		10	4.6	ug/L			06/07/22 19:16	20
4-Chlorotoluene	ND		10	4.8	ug/L			06/07/22 19:16	20
4-Methyl-2-pentanone	ND		100	33	ug/L			06/07/22 19:16	20
Acetone	ND		160	71	ug/L			06/07/22 19:16	20
Bromobenzene	ND		10	2.8	ug/L			06/07/22 19:16	20
Bromochloromethane	ND		20	5.5	ug/L			06/07/22 19:16	20
Bromoform	ND		10	5.7	ug/L			06/07/22 19:16	20
Bromomethane	ND		40	37	ug/L			06/07/22 19:16	20
Carbon disulfide	ND		20	6.5	ug/L			06/07/22 19:16	20
Carbon tetrachloride	ND		10	5.4	ug/L			06/07/22 19:16	20
Chlorobenzene	ND		10	2.4	ug/L			06/07/22 19:16	20
Dibromochloromethane	ND		10	4.2	ug/L			06/07/22 19:16	20
Chloroethane	ND		10	7.5	ug/L			06/07/22 19:16	20
Chloroform	ND		10	3.4	ug/L			06/07/22 19:16	20
Chloromethane	ND		20	13	ug/L			06/07/22 19:16	20
Dibromomethane	ND		10	3.2	ug/L			06/07/22 19:16	20
Bromodichloromethane	ND		10	3.1	ug/L			06/07/22 19:16	20
Dichlorodifluoromethane	ND		20	10	ug/L			06/07/22 19:16	20

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW17
Date Collected: 05/25/22 14:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		10	5.3	ug/L			06/07/22 19:16	20
Hexachloro-1,3-butadiene	ND		20	5.3	ug/L			06/07/22 19:16	20
Isopropylbenzene	**60**		10	4.2	ug/L			06/07/22 19:16	20
2-Butanone	ND		100	57	ug/L			06/07/22 19:16	20
Methylene Chloride	ND		20	8.1	ug/L			06/07/22 19:16	20
2-Hexanone	ND		120	41	ug/L			06/07/22 19:16	20
Naphthalene	**73**		20	11	ug/L			06/07/22 19:16	20
n-Butylbenzene	ND		10	4.8	ug/L			06/07/22 19:16	20
N-Propylbenzene	**61**		10	3.5	ug/L			06/07/22 19:16	20
p-Isopropyltoluene	ND		10	4.0	ug/L			06/07/22 19:16	20
sec-Butylbenzene	**6.0**	**J**	10	3.9	ug/L			06/07/22 19:16	20
Styrene	ND		10	5.5	ug/L			06/07/22 19:16	20
tert-Butylbenzene	ND		10	4.1	ug/L			06/07/22 19:16	20
Tetrachloroethene	ND		10	3.1	ug/L			06/07/22 19:16	20
Trichloroethene	ND		10	3.1	ug/L			06/07/22 19:16	20
Trichlorofluoromethane	ND		10	5.2	ug/L			06/07/22 19:16	20
Vinyl chloride	ND		10	4.5	ug/L			06/07/22 19:16	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*06/07/22 19:16*	*20*
4-Bromofluorobenzene (Surr)	*104*		*76 - 120*		*06/07/22 19:16*	*20*
Dibromofluoromethane (Surr)	*98*		*80 - 120*		*06/07/22 19:16*	*20*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/22 19:16*	*20*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1.9	0.92	ug/L		06/01/22 05:23	06/06/22 10:16	10
Acenaphthylene	ND		1.9	0.65	ug/L		06/01/22 05:23	06/06/22 10:16	10
Anthracene	ND		1.9	0.56	ug/L		06/01/22 05:23	06/06/22 10:16	10
Benzo[a]anthracene	ND		1.9	0.81	ug/L		06/01/22 05:23	06/06/22 10:16	10
Benzo[a]pyrene	ND		1.9	0.59	ug/L		06/01/22 05:23	06/06/22 10:16	10
Benzo[b]fluoranthene	ND		1.9	1.1	ug/L		06/01/22 05:23	06/06/22 10:16	10
Benzo[g,h,i]perylene	ND		1.9	0.96	ug/L		06/01/22 05:23	06/06/22 10:16	10
Benzo[k]fluoranthene	ND		1.9	0.88	ug/L		06/01/22 05:23	06/06/22 10:16	10
Chrysene	ND		1.9	0.56	ug/L		06/01/22 05:23	06/06/22 10:16	10
Dibenz(a,h)anthracene	ND		1.9	1.1	ug/L		06/01/22 05:23	06/06/22 10:16	10
Fluoranthene	ND		1.9	0.64	ug/L		06/01/22 05:23	06/06/22 10:16	10
Fluorene	**0.88**	**J**	1.9	0.71	ug/L		06/01/22 05:23	06/06/22 10:16	10
Indeno[1,2,3-cd]pyrene	ND		1.9	1.0	ug/L		06/01/22 05:23	06/06/22 10:16	10
1-Methylnaphthalene	**23**		1.9	0.69	ug/L		06/01/22 05:23	06/06/22 10:16	10
2-Methylnaphthalene	**19**		1.9	0.73	ug/L		06/01/22 05:23	06/06/22 10:16	10
Naphthalene	**47**		1.9	0.78	ug/L		06/01/22 05:23	06/06/22 10:16	10
Phenanthrene	ND		1.9	0.69	ug/L		06/01/22 05:23	06/06/22 10:16	10
Pyrene	ND		1.9	0.63	ug/L		06/01/22 05:23	06/06/22 10:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*33 - 144*	*06/01/22 05:23*	*06/06/22 10:16*	*10*
Nitrobenzene-d5 (Surr)	*78*		*28 - 139*	*06/01/22 05:23*	*06/06/22 10:16*	*10*
p-Terphenyl-d14 (Surr)	*61*		*23 - 160*	*06/01/22 05:23*	*06/06/22 10:16*	*10*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW17

Date Collected: 05/25/22 14:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-9
Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0240**	**J**	0.100	0.0199	mg/L		06/04/22 05:41	06/06/22 14:55	1
Barium	**11.4**		0.0100	0.00111	mg/L		06/04/22 05:41	06/06/22 14:55	1
Cadmium	ND		0.0100	0.000620	mg/L		06/04/22 05:41	06/06/22 14:55	1
Chromium	ND		0.0500	0.00296	mg/L		06/04/22 05:41	06/06/22 14:55	1
Lead	ND		0.0500	0.00527	mg/L		06/04/22 05:41	06/06/22 14:55	1
Selenium	ND		0.100	0.0162	mg/L		06/04/22 05:41	06/06/22 14:55	1
Silver	ND		0.0100	0.00259	mg/L		06/04/22 05:41	06/06/22 14:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**1080**		8.00	2.60	mg/L			06/08/22 01:14	1
Total Dissolved Solids	**1010**		20.0	17.4	mg/L			06/01/22 19:42	1
Chloride	**7.15**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW3

Date Collected: 05/26/22 09:00
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**510**		5.0	1.4	ug/L			06/07/22 19:44	10
Toluene	ND		5.0	1.4	ug/L			06/07/22 19:44	10
Ethylbenzene	**480**		5.0	1.6	ug/L			06/07/22 19:44	10
o-Xylene	ND		5.0	1.8	ug/L			06/07/22 19:44	10
m,p-Xylene	ND		10	3.9	ug/L			06/07/22 19:44	10
Xylenes, Total	ND		10	3.9	ug/L			06/07/22 19:44	10
Methyl-t-Butyl Ether (MTBE)	ND		5.0	1.4	ug/L			06/07/22 19:44	10
1,1,1,2-Tetrachloroethane	ND		5.0	2.0	ug/L			06/07/22 19:44	10
1,1,1-Trichloroethane	ND		5.0	2.0	ug/L			06/07/22 19:44	10
1,1,2,2-Tetrachloroethane	ND		5.0	1.4	ug/L			06/07/22 19:44	10
1,1,2-Trichloroethane	ND		5.0	1.8	ug/L			06/07/22 19:44	10
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0	2.5	ug/L			06/07/22 19:44	10
1,1-Dichloroethane	ND		5.0	2.1	ug/L			06/07/22 19:44	10
1,1-Dichloroethene	ND		5.0	2.1	ug/L			06/07/22 19:44	10
1,1-Dichloropropene	ND		5.0	1.6	ug/L			06/07/22 19:44	10
1,2,3-Trichlorobenzene	ND		5.0	2.6	ug/L			06/07/22 19:44	10
1,2,3-Trichloropropane	ND		5.0	3.1	ug/L			06/07/22 19:44	10
1,2,4-Trichlorobenzene	ND		5.0	2.6	ug/L			06/07/22 19:44	10
1,2,4-Trimethylbenzene	ND		5.0	2.2	ug/L			06/07/22 19:44	10
1,3,5-Trimethylbenzene	ND		5.0	1.9	ug/L			06/07/22 19:44	10
c-1,2-Dichloroethene	ND		5.0	1.6	ug/L			06/07/22 19:44	10
1,2-Dibromo-3-Chloropropane	ND		10	8.4	ug/L			06/07/22 19:44	10
1,2-Dichlorobenzene	ND		5.0	1.4	ug/L			06/07/22 19:44	10
1,2-Dichloroethane	ND		5.0	1.4	ug/L			06/07/22 19:44	10
1,2-Dichloropropane	ND		5.0	1.4	ug/L			06/07/22 19:44	10
t-1,2-Dichloroethene	ND		5.0	2.2	ug/L			06/07/22 19:44	10

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW3

Date Collected: 05/26/22 09:00
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
c-1,3-Dichloropropene	ND		5.0	1.5	ug/L			06/07/22 19:44	10
1,3-Dichlorobenzene	ND		5.0	1.6	ug/L			06/07/22 19:44	10
1,3-Dichloropropane	ND		5.0	1.9	ug/L			06/07/22 19:44	10
t-1,3-Dichloropropene	ND		5.0	2.1	ug/L			06/07/22 19:44	10
1,4-Dichlorobenzene	ND		5.0	1.1	ug/L			06/07/22 19:44	10
2,2-Dichloropropane	ND		5.0	2.6	ug/L			06/07/22 19:44	10
2-Chlorotoluene	ND		5.0	2.3	ug/L			06/07/22 19:44	10
4-Chlorotoluene	ND		5.0	2.4	ug/L			06/07/22 19:44	10
4-Methyl-2-pentanone	ND		50	16	ug/L			06/07/22 19:44	10
Acetone	ND		80	36	ug/L			06/07/22 19:44	10
Bromobenzene	ND		5.0	1.4	ug/L			06/07/22 19:44	10
Bromochloromethane	ND		10	2.7	ug/L			06/07/22 19:44	10
Bromoform	ND		5.0	2.8	ug/L			06/07/22 19:44	10
Bromomethane	ND		20	19	ug/L			06/07/22 19:44	10
Carbon disulfide	ND		10	3.2	ug/L			06/07/22 19:44	10
Carbon tetrachloride	ND		5.0	2.7	ug/L			06/07/22 19:44	10
Chlorobenzene	ND		5.0	1.2	ug/L			06/07/22 19:44	10
Dibromochloromethane	ND		5.0	2.1	ug/L			06/07/22 19:44	10
Chloroethane	ND		5.0	3.8	ug/L			06/07/22 19:44	10
Chloroform	ND		5.0	1.7	ug/L			06/07/22 19:44	10
Chloromethane	ND		10	6.5	ug/L			06/07/22 19:44	10
Dibromomethane	ND		5.0	1.6	ug/L			06/07/22 19:44	10
Bromodichloromethane	ND		5.0	1.5	ug/L			06/07/22 19:44	10
Dichlorodifluoromethane	ND		10	5.1	ug/L			06/07/22 19:44	10
1,2-Dibromoethane	ND		5.0	2.7	ug/L			06/07/22 19:44	10
Hexachloro-1,3-butadiene	ND		10	2.6	ug/L			06/07/22 19:44	10
Isopropylbenzene	**42**		5.0	2.1	ug/L			06/07/22 19:44	10
2-Butanone	ND		50	29	ug/L			06/07/22 19:44	10
Methylene Chloride	ND		10	4.0	ug/L			06/07/22 19:44	10
2-Hexanone	ND		60	20	ug/L			06/07/22 19:44	10
Naphthalene	**54**		10	5.5	ug/L			06/07/22 19:44	10
n-Butylbenzene	**4.0**	**J**	5.0	2.4	ug/L			06/07/22 19:44	10
N-Propylbenzene	**45**		5.0	1.8	ug/L			06/07/22 19:44	10
p-Isopropyltoluene	ND		5.0	2.0	ug/L			06/07/22 19:44	10
sec-Butylbenzene	**5.4**		5.0	2.0	ug/L			06/07/22 19:44	10
Styrene	ND		5.0	2.7	ug/L			06/07/22 19:44	10
tert-Butylbenzene	ND		5.0	2.1	ug/L			06/07/22 19:44	10
Tetrachloroethene	ND		5.0	1.6	ug/L			06/07/22 19:44	10
Trichloroethene	ND		5.0	1.5	ug/L			06/07/22 19:44	10
Trichlorofluoromethane	ND		5.0	2.6	ug/L			06/07/22 19:44	10
Vinyl chloride	ND		5.0	2.3	ug/L			06/07/22 19:44	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*64 - 132*		*06/07/22 19:44*	*10*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*		*06/07/22 19:44*	*10*
Dibromofluoromethane (Surr)	*99*		*80 - 120*		*06/07/22 19:44*	*10*
Toluene-d8 (Surr)	*101*		*80 - 120*		*06/07/22 19:44*	*10*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW3

Date Collected: 05/26/22 09:00
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.38	0.18	ug/L		06/01/22 05:23	06/06/22 11:57	2
Acenaphthylene	ND		0.38	0.13	ug/L		06/01/22 05:23	06/06/22 11:57	2
Anthracene	ND		0.38	0.11	ug/L		06/01/22 05:23	06/06/22 11:57	2
Benzo[a]anthracene	ND		0.38	0.16	ug/L		06/01/22 05:23	06/06/22 11:57	2
Benzo[a]pyrene	ND		0.38	0.12	ug/L		06/01/22 05:23	06/06/22 11:57	2
Benzo[b]fluoranthene	ND		0.38	0.22	ug/L		06/01/22 05:23	06/06/22 11:57	2
Benzo[g,h,i]perylene	ND		0.38	0.19	ug/L		06/01/22 05:23	06/06/22 11:57	2
Benzo[k]fluoranthene	ND		0.38	0.18	ug/L		06/01/22 05:23	06/06/22 11:57	2
Chrysene	ND		0.38	0.11	ug/L		06/01/22 05:23	06/06/22 11:57	2
Dibenz(a,h)anthracene	ND		0.38	0.22	ug/L		06/01/22 05:23	06/06/22 11:57	2
Fluoranthene	ND		0.38	0.13	ug/L		06/01/22 05:23	06/06/22 11:57	2
Fluorene	**0.92**		0.38	0.14	ug/L		06/01/22 05:23	06/06/22 11:57	2
Indeno[1,2,3-cd]pyrene	ND		0.38	0.20	ug/L		06/01/22 05:23	06/06/22 11:57	2
1-Methylnaphthalene	**22**		0.38	0.14	ug/L		06/01/22 05:23	06/06/22 11:57	2
2-Methylnaphthalene	**26**		0.38	0.15	ug/L		06/01/22 05:23	06/06/22 11:57	2
Naphthalene	**36**		0.38	0.16	ug/L		06/01/22 05:23	06/06/22 11:57	2
Phenanthrene	**0.89**		0.38	0.14	ug/L		06/01/22 05:23	06/06/22 11:57	2
Pyrene	ND		0.38	0.13	ug/L		06/01/22 05:23	06/06/22 11:57	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*60*		*33 - 144*	*06/01/22 05:23*	*06/06/22 11:57*	*2*
Nitrobenzene-d5 (Surr)	*30*		*28 - 139*	*06/01/22 05:23*	*06/06/22 11:57*	*2*
p-Terphenyl-d14 (Surr)	*58*		*23 - 160*	*06/01/22 05:23*	*06/06/22 11:57*	*2*

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:32	06/09/22 16:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0316**	**J**	0.100	0.0199	mg/L		06/04/22 05:41	06/06/22 14:57	1
Barium	**8.87**		0.0100	0.00111	mg/L		06/04/22 05:41	06/06/22 14:57	1
Cadmium	ND		0.0100	0.000620	mg/L		06/04/22 05:41	06/06/22 14:57	1
Chromium	ND		0.0500	0.00296	mg/L		06/04/22 05:41	06/06/22 14:57	1
Lead	ND		0.0500	0.00527	mg/L		06/04/22 05:41	06/06/22 14:57	1
Selenium	ND		0.100	0.0162	mg/L		06/04/22 05:41	06/06/22 14:57	1
Silver	ND		0.0100	0.00259	mg/L		06/04/22 05:41	06/06/22 14:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**1420**		8.00	2.60	mg/L			06/07/22 23:41	1
Total Dissolved Solids	**1410**		20.0	17.4	mg/L			06/01/22 19:42	1
Chloride	**26.7**		2.00	0.596	mg/L			06/15/22 13:51	1

Client Sample ID: MW6

Date Collected: 05/26/22 09:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.50	0.14	ug/L			06/07/22 20:12	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW6

Date Collected: 05/26/22 09:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.50	0.14	ug/L			06/07/22 20:12	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 20:12	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 20:12	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 20:12	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 20:12	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 20:12	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 20:12	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 20:12	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 20:12	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 20:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 20:12	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 20:12	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 20:12	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 20:12	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 20:12	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 20:12	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 20:12	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 20:12	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 20:12	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 20:12	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 20:12	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 20:12	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 20:12	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 20:12	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 20:12	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 20:12	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 20:12	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 20:12	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 20:12	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 20:12	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 20:12	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 20:12	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 20:12	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 20:12	1
Acetone	**4.6**	**J**	8.0	3.6	ug/L			06/07/22 20:12	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 20:12	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 20:12	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 20:12	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 20:12	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 20:12	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 20:12	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 20:12	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 20:12	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 20:12	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 20:12	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 20:12	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 20:12	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 20:12	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 20:12	1

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW6

Date Collected: 05/26/22 09:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-11

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	0.27	ug/L			06/07/22 20:12	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 20:12	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 20:12	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 20:12	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 20:12	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 20:12	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 20:12	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 20:12	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 20:12	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 20:12	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/07/22 20:12	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 20:12	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/07/22 20:12	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 20:12	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 20:12	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 20:12	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 20:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*		*06/07/22 20:12*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*06/07/22 20:12*	*1*
Dibromofluoromethane (Surr)	*97*		*80 - 120*		*06/07/22 20:12*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*06/07/22 20:12*	*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		06/01/22 05:23	06/06/22 10:56	1
Acenaphthylene	ND		0.19	0.065	ug/L		06/01/22 05:23	06/06/22 10:56	1
Anthracene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/06/22 10:56	1
Benzo[a]anthracene	ND		0.19	0.081	ug/L		06/01/22 05:23	06/06/22 10:56	1
Benzo[a]pyrene	ND		0.19	0.059	ug/L		06/01/22 05:23	06/06/22 10:56	1
Benzo[b]fluoranthene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/06/22 10:56	1
Benzo[g,h,i]perylene	ND		0.19	0.096	ug/L		06/01/22 05:23	06/06/22 10:56	1
Benzo[k]fluoranthene	ND		0.19	0.088	ug/L		06/01/22 05:23	06/06/22 10:56	1
Chrysene	ND		0.19	0.056	ug/L		06/01/22 05:23	06/06/22 10:56	1
Dibenz(a,h)anthracene	ND		0.19	0.11	ug/L		06/01/22 05:23	06/06/22 10:56	1
Fluoranthene	ND		0.19	0.064	ug/L		06/01/22 05:23	06/06/22 10:56	1
Fluorene	ND		0.19	0.071	ug/L		06/01/22 05:23	06/06/22 10:56	1
Indeno[1,2,3-cd]pyrene	ND		0.19	0.10	ug/L		06/01/22 05:23	06/06/22 10:56	1
1-Methylnaphthalene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/06/22 10:56	1
2-Methylnaphthalene	ND		0.19	0.073	ug/L		06/01/22 05:23	06/06/22 10:56	1
Naphthalene	ND		0.19	0.078	ug/L		06/01/22 05:23	06/06/22 10:56	1
Phenanthrene	ND		0.19	0.069	ug/L		06/01/22 05:23	06/06/22 10:56	1
Pyrene	ND		0.19	0.063	ug/L		06/01/22 05:23	06/06/22 10:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*51*		*33 - 144*	*06/01/22 05:23*	*06/06/22 10:56*	*1*
Nitrobenzene-d5 (Surr)	*46*		*28 - 139*	*06/01/22 05:23*	*06/06/22 10:56*	*1*
p-Terphenyl-d14 (Surr)	*49*		*23 - 160*	*06/01/22 05:23*	*06/06/22 10:56*	*1*

Client Sample Results

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

Job ID: 570-97823-1

Client Sample ID: MW6

Date Collected: 05/26/22 09:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-11

Matrix: Water

Method: 245.1 - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.000918**		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 18:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0269**	**J**	0.100	0.0199	mg/L		06/04/22 05:41	06/06/22 15:00	1
Barium	**0.424**		0.0100	0.00111	mg/L		06/04/22 05:41	06/06/22 15:00	1
Cadmium	ND		0.0100	0.000620	mg/L		06/04/22 05:41	06/06/22 15:00	1
Chromium	ND		0.0500	0.00296	mg/L		06/04/22 05:41	06/06/22 15:00	1
Lead	**0.0108**	**J**	0.0500	0.00527	mg/L		06/04/22 05:41	06/06/22 15:00	1
Selenium	ND		0.100	0.0162	mg/L		06/04/22 05:41	06/06/22 15:00	1
Silver	ND		0.0100	0.00259	mg/L		06/04/22 05:41	06/06/22 15:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	**502**		8.00	2.60	mg/L			06/08/22 00:47	1
Total Dissolved Solids	**566**		10.0	8.70	mg/L			06/01/22 19:42	1
Chloride	**8.56**	**J**	10.0	2.98	mg/L			06/15/22 13:51	1

Surrogate Summary

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

Job ID: 570-97823-1

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	(64-132)	(76-120)	(80-120)	(80-120)
570-97823-1	MW30	106	96	99	100
570-97823-2	MW29	107	94	99	102
570-97823-3	MW28	112	89	108	105
570-97823-4	MW27	101	95	97	99
570-97823-5	MW32	101	101	102	100
570-97823-6	MW31	99	97	100	99
570-97823-7	MW11	97	96	99	97
570-97823-8	MW22	104	95	98	100
570-97823-9	MW17	104	104	98	100
570-97823-10	MW3	104	102	99	101
570-97823-11	MW6	103	96	97	100
LCS 570-239071/3	Lab Control Sample	98	101	103	100
LCS 570-239407/3	Lab Control Sample	109	101	102	98
LCS 570-239520/7	Lab Control Sample	100	100	102	100
LCSD 570-239071/4	Lab Control Sample Dup	96	102	100	100
LCSD 570-239407/4	Lab Control Sample Dup	103	100	106	102
LCSD 570-239520/8	Lab Control Sample Dup	98	101	100	102
MB 570-239071/6	Method Blank	99	95	100	99
MB 570-239407/6	Method Blank	107	93	111	99
MB 570-239520/10	Method Blank	102	96	98	99

Surrogate Legend

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

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

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

		Percent Surrogate Recovery (Acceptance Limits)		
		FBP	NBZ	TPHd14
Lab Sample ID	Client Sample ID	(33-144)	(28-139)	(23-160)
570-97823-1	MW30	50	47	54
570-97823-2	MW29	50	38	56
570-97823-3	MW28	48	38	61
570-97823-4	MW27	53	49	59
570-97823-5	MW32	55	41	60
570-97823-6	MW31	48	41	54
570-97823-7	MW11	53	52	55
570-97823-8	MW22	49	43	52
570-97823-9	MW17	60	78	61
570-97823-10 - DL	MW3	60	30	58
570-97823-11	MW6	51	46	49
LCS 570-237833/2-A	Lab Control Sample	56	57	58
LCSD 570-237833/3-A	Lab Control Sample Dup	55	54	57
MB 570-237833/1-A	Method Blank	53	53	57

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)

Surrogate Summary

Client: Cardno, Inc
Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

TPHd14 = p-Terphenyl-d14 (Surr)

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: MB 570-239071/6
Matrix: Water
Analysis Batch: 239071

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	0.14	ug/L			06/06/22 11:04	1
Toluene	ND		0.50	0.14	ug/L			06/06/22 11:04	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/06/22 11:04	1
o-Xylene	ND		0.50	0.18	ug/L			06/06/22 11:04	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/06/22 11:04	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/06/22 11:04	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/06/22 11:04	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/06/22 11:04	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/06/22 11:04	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/06/22 11:04	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/06/22 11:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/06/22 11:04	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/06/22 11:04	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/06/22 11:04	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/06/22 11:04	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 11:04	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/06/22 11:04	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 11:04	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/06/22 11:04	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/06/22 11:04	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/06/22 11:04	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/06/22 11:04	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/06/22 11:04	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/06/22 11:04	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/06/22 11:04	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/06/22 11:04	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/06/22 11:04	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/06/22 11:04	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/06/22 11:04	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/06/22 11:04	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/06/22 11:04	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/06/22 11:04	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/06/22 11:04	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/06/22 11:04	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/06/22 11:04	1
Acetone	ND		8.0	3.6	ug/L			06/06/22 11:04	1
Bromobenzene	ND		0.50	0.14	ug/L			06/06/22 11:04	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/06/22 11:04	1
Bromoform	ND		0.50	0.28	ug/L			06/06/22 11:04	1
Bromomethane	ND		2.0	1.9	ug/L			06/06/22 11:04	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/06/22 11:04	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/06/22 11:04	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/06/22 11:04	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/06/22 11:04	1
Chloroethane	ND		0.50	0.38	ug/L			06/06/22 11:04	1
Chloroform	ND		0.50	0.17	ug/L			06/06/22 11:04	1
Chloromethane	ND		1.0	0.65	ug/L			06/06/22 11:04	1
Dibromomethane	ND		0.50	0.16	ug/L			06/06/22 11:04	1

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: MB 570-239071/6
Matrix: Water
Analysis Batch: 239071

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	0.15	ug/L			06/06/22 11:04	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/06/22 11:04	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/06/22 11:04	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/06/22 11:04	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/06/22 11:04	1
2-Butanone	ND		5.0	2.9	ug/L			06/06/22 11:04	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/06/22 11:04	1
2-Hexanone	ND		6.0	2.0	ug/L			06/06/22 11:04	1
Naphthalene	ND		1.0	0.55	ug/L			06/06/22 11:04	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/06/22 11:04	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/06/22 11:04	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/06/22 11:04	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/06/22 11:04	1
Styrene	ND		0.50	0.27	ug/L			06/06/22 11:04	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/06/22 11:04	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/06/22 11:04	1
Trichloroethene	ND		0.50	0.15	ug/L			06/06/22 11:04	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/06/22 11:04	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/06/22 11:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*64 - 132*		*06/06/22 11:04*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*06/06/22 11:04*	*1*
Dibromofluoromethane (Surr)	*100*		*80 - 120*		*06/06/22 11:04*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/06/22 11:04*	*1*

Lab Sample ID: LCS 570-239071/3
Matrix: Water
Analysis Batch: 239071

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	9.354		ug/L		94	80 - 120
Toluene	10.0	9.676		ug/L		97	80 - 120
Ethylbenzene	10.0	9.560		ug/L		96	80 - 126
o-Xylene	10.0	9.810		ug/L		98	80 - 124
m,p-Xylene	20.0	19.41		ug/L		97	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.211		ug/L		92	69 - 128
1,1-Dichloroethene	10.0	8.886		ug/L		89	80 - 126
1,2-Dichlorobenzene	10.0	9.859		ug/L		99	80 - 120
1,2-Dichloroethane	10.0	9.545		ug/L		95	76 - 130
Carbon tetrachloride	10.0	10.63		ug/L		106	61 - 139
Chlorobenzene	10.0	9.618		ug/L		96	80 - 120
1,2-Dibromoethane	10.0	9.420		ug/L		94	80 - 125
Hexachloro-1,3-butadiene	10.0	10.64		ug/L		106	80 - 123
Trichloroethene	10.0	9.619		ug/L		96	77 - 124
Vinyl chloride	10.0	7.442		ug/L		74	50 - 160

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCS 570-239071/3
Matrix: Water
Analysis Batch: 239071

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

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: LCSD 570-239071/4
Matrix: Water
Analysis Batch: 239071

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	10.16		ug/L		102	80 - 120	8	20
Toluene			10.0	10.54		ug/L		105	80 - 120	9	20
Ethylbenzene			10.0	10.54		ug/L		105	80 - 126	10	20
o-Xylene			10.0	10.68		ug/L		107	80 - 124	8	20
m,p-Xylene			20.0	21.04		ug/L		105	80 - 123	8	20
Methyl-t-Butyl Ether (MTBE)			10.0	9.876		ug/L		99	69 - 128	7	20
1,1-Dichloroethene			10.0	9.242		ug/L		92	80 - 126	4	21
1,2-Dichlorobenzene			10.0	10.53		ug/L		105	80 - 120	7	20
1,2-Dichloroethane			10.0	10.41		ug/L		104	76 - 130	9	20
Carbon tetrachloride			10.0	11.29		ug/L		113	61 - 139	6	20
Chlorobenzene			10.0	10.55		ug/L		106	80 - 120	9	20
1,2-Dibromoethane			10.0	10.10		ug/L		101	80 - 125	7	20
Hexachloro-1,3-butadiene			10.0	11.18		ug/L		112	80 - 123	5	20
Trichloroethene			10.0	10.36		ug/L		104	77 - 124	7	20
Vinyl chloride			10.0	7.968		ug/L		80	50 - 160	7	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*96*		*64 - 132*
4-Bromofluorobenzene (Surr)	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*100*		*80 - 120*

Lab Sample ID: MB 570-239407/6
Matrix: Water
Analysis Batch: 239407

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	0.14	ug/L			06/06/22 22:09	1
Toluene	ND		0.50	0.14	ug/L			06/06/22 22:09	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/06/22 22:09	1
o-Xylene	ND		0.50	0.18	ug/L			06/06/22 22:09	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/06/22 22:09	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/06/22 22:09	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/06/22 22:09	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/06/22 22:09	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/06/22 22:09	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/06/22 22:09	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/06/22 22:09	1

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: MB 570-239407/6
Matrix: Water
Analysis Batch: 239407

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/06/22 22:09	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/06/22 22:09	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/06/22 22:09	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/06/22 22:09	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 22:09	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/06/22 22:09	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/06/22 22:09	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/06/22 22:09	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/06/22 22:09	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/06/22 22:09	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/06/22 22:09	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/06/22 22:09	1
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/06/22 22:09	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/06/22 22:09	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/06/22 22:09	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/06/22 22:09	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/06/22 22:09	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/06/22 22:09	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/06/22 22:09	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/06/22 22:09	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/06/22 22:09	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/06/22 22:09	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/06/22 22:09	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/06/22 22:09	1
Acetone	ND		8.0	3.6	ug/L			06/06/22 22:09	1
Bromobenzene	ND		0.50	0.14	ug/L			06/06/22 22:09	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/06/22 22:09	1
Bromoform	ND		0.50	0.28	ug/L			06/06/22 22:09	1
Bromomethane	ND		2.0	1.9	ug/L			06/06/22 22:09	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/06/22 22:09	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/06/22 22:09	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/06/22 22:09	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/06/22 22:09	1
Chloroethane	ND		0.50	0.38	ug/L			06/06/22 22:09	1
Chloroform	ND		0.50	0.17	ug/L			06/06/22 22:09	1
Chloromethane	ND		1.0	0.65	ug/L			06/06/22 22:09	1
Dibromomethane	ND		0.50	0.16	ug/L			06/06/22 22:09	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/06/22 22:09	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/06/22 22:09	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/06/22 22:09	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/06/22 22:09	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/06/22 22:09	1
2-Butanone	ND		5.0	2.9	ug/L			06/06/22 22:09	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/06/22 22:09	1
2-Hexanone	ND		6.0	2.0	ug/L			06/06/22 22:09	1
Naphthalene	ND		1.0	0.55	ug/L			06/06/22 22:09	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/06/22 22:09	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/06/22 22:09	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/06/22 22:09	1

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: MB 570-239407/6
Matrix: Water
Analysis Batch: 239407

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/06/22 22:09	1
Styrene	ND		0.50	0.27	ug/L			06/06/22 22:09	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/06/22 22:09	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/06/22 22:09	1
Trichloroethene	ND		0.50	0.15	ug/L			06/06/22 22:09	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/06/22 22:09	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/06/22 22:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*107*		*64 - 132*		*06/06/22 22:09*	*1*
4-Bromofluorobenzene (Surr)	*93*		*76 - 120*		*06/06/22 22:09*	*1*
Dibromofluoromethane (Surr)	*111*		*80 - 120*		*06/06/22 22:09*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*06/06/22 22:09*	*1*

Lab Sample ID: LCS 570-239407/3
Matrix: Water
Analysis Batch: 239407

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	11.23		ug/L		112	80 - 120
Toluene	10.0	10.94		ug/L		109	80 - 120
Ethylbenzene	10.0	11.15		ug/L		111	80 - 126
o-Xylene	10.0	11.17		ug/L		112	80 - 124
m,p-Xylene	20.0	22.84		ug/L		114	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	10.48		ug/L		105	69 - 128
1,1-Dichloroethene	10.0	11.25		ug/L		113	80 - 126
1,2-Dichlorobenzene	10.0	10.69		ug/L		107	80 - 120
1,2-Dichloroethane	10.0	11.40		ug/L		114	76 - 130
Carbon tetrachloride	10.0	11.52		ug/L		115	61 - 139
Chlorobenzene	10.0	10.93		ug/L		109	80 - 120
1,2-Dibromoethane	10.0	10.37		ug/L		104	80 - 125
Hexachloro-1,3-butadiene	10.0	10.69		ug/L		107	80 - 123
Trichloroethene	10.0	11.42		ug/L		114	77 - 124
Vinyl chloride	10.0	11.68		ug/L		117	50 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*109*		*64 - 132*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: LCSD 570-239407/4
Matrix: Water
Analysis Batch: 239407

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	10.80		ug/L		108	80 - 120	4	20
Toluene	10.0	10.58		ug/L		106	80 - 120	3	20

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCSD 570-239407/4
Matrix: Water
Analysis Batch: 239407

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Ethylbenzene			10.0	10.71		ug/L		107	80 - 126	4	20
o-Xylene			10.0	10.76		ug/L		108	80 - 124	4	20
m,p-Xylene			20.0	22.11		ug/L		111	80 - 123	3	20
Methyl-t-Butyl Ether (MTBE)			10.0	10.32		ug/L		103	69 - 128	2	20
1,1-Dichloroethene			10.0	10.59		ug/L		106	80 - 126	6	21
1,2-Dichlorobenzene			10.0	11.02		ug/L		110	80 - 120	3	20
1,2-Dichloroethane			10.0	11.15		ug/L		111	76 - 130	2	20
Carbon tetrachloride			10.0	10.88		ug/L		109	61 - 139	6	20
Chlorobenzene			10.0	10.51		ug/L		105	80 - 120	4	20
1,2-Dibromoethane			10.0	10.56		ug/L		106	80 - 125	2	20
Hexachloro-1,3-butadiene			10.0	11.01		ug/L		110	80 - 123	3	20
Trichloroethene			10.0	11.12		ug/L		111	77 - 124	3	20
Vinyl chloride			10.0	11.12		ug/L		111	50 - 160	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*64 - 132*
4-Bromofluorobenzene (Surr)	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: MB 570-239520/10
Matrix: Water
Analysis Batch: 239520

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	0.14	ug/L			06/07/22 14:37	1
Toluene	ND		0.50	0.14	ug/L			06/07/22 14:37	1
Ethylbenzene	ND		0.50	0.16	ug/L			06/07/22 14:37	1
o-Xylene	ND		0.50	0.18	ug/L			06/07/22 14:37	1
m,p-Xylene	ND		1.0	0.39	ug/L			06/07/22 14:37	1
Xylenes, Total	ND		1.0	0.39	ug/L			06/07/22 14:37	1
Methyl-t-Butyl Ether (MTBE)	ND		0.50	0.14	ug/L			06/07/22 14:37	1
1,1,1,2-Tetrachloroethane	ND		0.50	0.20	ug/L			06/07/22 14:37	1
1,1,1-Trichloroethane	ND		0.50	0.20	ug/L			06/07/22 14:37	1
1,1,2,2-Tetrachloroethane	ND		0.50	0.14	ug/L			06/07/22 14:37	1
1,1,2-Trichloroethane	ND		0.50	0.18	ug/L			06/07/22 14:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		0.50	0.25	ug/L			06/07/22 14:37	1
1,1-Dichloroethane	ND		0.50	0.21	ug/L			06/07/22 14:37	1
1,1-Dichloroethene	ND		0.50	0.21	ug/L			06/07/22 14:37	1
1,1-Dichloropropene	ND		0.50	0.16	ug/L			06/07/22 14:37	1
1,2,3-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 14:37	1
1,2,3-Trichloropropane	ND		0.50	0.31	ug/L			06/07/22 14:37	1
1,2,4-Trichlorobenzene	ND		0.50	0.26	ug/L			06/07/22 14:37	1
1,2,4-Trimethylbenzene	ND		0.50	0.22	ug/L			06/07/22 14:37	1
1,3,5-Trimethylbenzene	ND		0.50	0.19	ug/L			06/07/22 14:37	1
c-1,2-Dichloroethene	ND		0.50	0.16	ug/L			06/07/22 14:37	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.84	ug/L			06/07/22 14:37	1
1,2-Dichlorobenzene	ND		0.50	0.14	ug/L			06/07/22 14:37	1

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: MB 570-239520/10
Matrix: Water
Analysis Batch: 239520

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	ND		0.50	0.14	ug/L			06/07/22 14:37	1
1,2-Dichloropropane	ND		0.50	0.14	ug/L			06/07/22 14:37	1
t-1,2-Dichloroethene	ND		0.50	0.22	ug/L			06/07/22 14:37	1
c-1,3-Dichloropropene	ND		0.50	0.15	ug/L			06/07/22 14:37	1
1,3-Dichlorobenzene	ND		0.50	0.16	ug/L			06/07/22 14:37	1
1,3-Dichloropropane	ND		0.50	0.19	ug/L			06/07/22 14:37	1
t-1,3-Dichloropropene	ND		0.50	0.21	ug/L			06/07/22 14:37	1
1,4-Dichlorobenzene	ND		0.50	0.11	ug/L			06/07/22 14:37	1
2,2-Dichloropropane	ND		0.50	0.26	ug/L			06/07/22 14:37	1
2-Chlorotoluene	ND		0.50	0.23	ug/L			06/07/22 14:37	1
4-Chlorotoluene	ND		0.50	0.24	ug/L			06/07/22 14:37	1
4-Methyl-2-pentanone	ND		5.0	1.6	ug/L			06/07/22 14:37	1
Acetone	ND		8.0	3.6	ug/L			06/07/22 14:37	1
Bromobenzene	ND		0.50	0.14	ug/L			06/07/22 14:37	1
Bromochloromethane	ND		1.0	0.27	ug/L			06/07/22 14:37	1
Bromoform	ND		0.50	0.28	ug/L			06/07/22 14:37	1
Bromomethane	ND		2.0	1.9	ug/L			06/07/22 14:37	1
Carbon disulfide	ND		1.0	0.32	ug/L			06/07/22 14:37	1
Carbon tetrachloride	ND		0.50	0.27	ug/L			06/07/22 14:37	1
Chlorobenzene	ND		0.50	0.12	ug/L			06/07/22 14:37	1
Dibromochloromethane	ND		0.50	0.21	ug/L			06/07/22 14:37	1
Chloroethane	ND		0.50	0.38	ug/L			06/07/22 14:37	1
Chloroform	ND		0.50	0.17	ug/L			06/07/22 14:37	1
Chloromethane	ND		1.0	0.65	ug/L			06/07/22 14:37	1
Dibromomethane	ND		0.50	0.16	ug/L			06/07/22 14:37	1
Bromodichloromethane	ND		0.50	0.15	ug/L			06/07/22 14:37	1
Dichlorodifluoromethane	ND		1.0	0.51	ug/L			06/07/22 14:37	1
1,2-Dibromoethane	ND		0.50	0.27	ug/L			06/07/22 14:37	1
Hexachloro-1,3-butadiene	ND		1.0	0.26	ug/L			06/07/22 14:37	1
Isopropylbenzene	ND		0.50	0.21	ug/L			06/07/22 14:37	1
2-Butanone	ND		5.0	2.9	ug/L			06/07/22 14:37	1
Methylene Chloride	ND		1.0	0.40	ug/L			06/07/22 14:37	1
2-Hexanone	ND		6.0	2.0	ug/L			06/07/22 14:37	1
Naphthalene	ND		1.0	0.55	ug/L			06/07/22 14:37	1
n-Butylbenzene	ND		0.50	0.24	ug/L			06/07/22 14:37	1
N-Propylbenzene	ND		0.50	0.18	ug/L			06/07/22 14:37	1
p-Isopropyltoluene	ND		0.50	0.20	ug/L			06/07/22 14:37	1
sec-Butylbenzene	ND		0.50	0.20	ug/L			06/07/22 14:37	1
Styrene	ND		0.50	0.27	ug/L			06/07/22 14:37	1
tert-Butylbenzene	ND		0.50	0.21	ug/L			06/07/22 14:37	1
Tetrachloroethene	ND		0.50	0.16	ug/L			06/07/22 14:37	1
Trichloroethene	ND		0.50	0.15	ug/L			06/07/22 14:37	1
Trichlorofluoromethane	ND		0.50	0.26	ug/L			06/07/22 14:37	1
Vinyl chloride	ND		0.50	0.23	ug/L			06/07/22 14:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*64 - 132*		*06/07/22 14:37*	*1*
4-Bromofluorobenzene (Surr)	*96*		*76 - 120*		*06/07/22 14:37*	*1*

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: MB 570-239520/10
Matrix: Water
Analysis Batch: 239520

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		80 - 120		06/07/22 14:37	1
Toluene-d8 (Surr)	99		80 - 120		06/07/22 14:37	1

Lab Sample ID: LCS 570-239520/7
Matrix: Water
Analysis Batch: 239520

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	9.920		ug/L		99	80 - 120
Toluene	10.0	10.30		ug/L		103	80 - 120
Ethylbenzene	10.0	10.15		ug/L		102	80 - 126
o-Xylene	10.0	10.19		ug/L		102	80 - 124
m,p-Xylene	20.0	20.50		ug/L		103	80 - 123
Methyl-t-Butyl Ether (MTBE)	10.0	9.339		ug/L		93	69 - 128
1,1-Dichloroethene	10.0	8.711		ug/L		87	80 - 126
1,2-Dichlorobenzene	10.0	10.40		ug/L		104	80 - 120
1,2-Dichloroethane	10.0	9.773		ug/L		98	76 - 130
Carbon tetrachloride	10.0	10.64		ug/L		106	61 - 139
Chlorobenzene	10.0	10.08		ug/L		101	80 - 120
1,2-Dibromoethane	10.0	9.728		ug/L		97	80 - 125
Hexachloro-1,3-butadiene	10.0	10.82		ug/L		108	80 - 123
Trichloroethene	10.0	9.889		ug/L		99	77 - 124
Vinyl chloride	10.0	8.274		ug/L		83	50 - 160

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 132
4-Bromofluorobenzene (Surr)	100		76 - 120
Dibromofluoromethane (Surr)	102		80 - 120
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 570-239520/8
Matrix: Water
Analysis Batch: 239520

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	9.704		ug/L		97	80 - 120	2	20
Toluene	10.0	10.17		ug/L		102	80 - 120	1	20
Ethylbenzene	10.0	9.826		ug/L		98	80 - 126	3	20
o-Xylene	10.0	10.11		ug/L		101	80 - 124	1	20
m,p-Xylene	20.0	20.01		ug/L		100	80 - 123	2	20
Methyl-t-Butyl Ether (MTBE)	10.0	9.286		ug/L		93	69 - 128	1	20
1,1-Dichloroethene	10.0	9.181		ug/L		92	80 - 126	5	21
1,2-Dichlorobenzene	10.0	9.830		ug/L		98	80 - 120	6	20
1,2-Dichloroethane	10.0	9.518		ug/L		95	76 - 130	3	20
Carbon tetrachloride	10.0	10.40		ug/L		104	61 - 139	2	20
Chlorobenzene	10.0	9.804		ug/L		98	80 - 120	3	20
1,2-Dibromoethane	10.0	9.625		ug/L		96	80 - 125	1	20
Hexachloro-1,3-butadiene	10.0	10.32		ug/L		103	80 - 123	5	20

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCSD 570-239520/8
Matrix: Water
Analysis Batch: 239520

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
Trichloroethene			10.0	9.902		ug/L		99	77 - 124	0	20
Vinyl chloride			10.0	8.412		ug/L		84	50 - 160	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*64 - 132*
4-Bromofluorobenzene (Surr)	*101*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

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

Lab Sample ID: MB 570-237833/1-A
Matrix: Water
Analysis Batch: 239243

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 237833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.20	0.097	ug/L		05/31/22 09:55	06/06/22 13:39	1
Acenaphthylene	ND		0.20	0.069	ug/L		05/31/22 09:55	06/06/22 13:39	1
Anthracene	ND		0.20	0.059	ug/L		05/31/22 09:55	06/06/22 13:39	1
Benzo[a]anthracene	ND		0.20	0.086	ug/L		05/31/22 09:55	06/06/22 13:39	1
Benzo[a]pyrene	ND		0.20	0.063	ug/L		05/31/22 09:55	06/06/22 13:39	1
Benzo[b]fluoranthene	ND		0.20	0.12	ug/L		05/31/22 09:55	06/06/22 13:39	1
Benzo[g,h,i]perylene	ND		0.20	0.10	ug/L		05/31/22 09:55	06/06/22 13:39	1
Benzo[k]fluoranthene	ND		0.20	0.093	ug/L		05/31/22 09:55	06/06/22 13:39	1
Chrysene	ND		0.20	0.059	ug/L		05/31/22 09:55	06/06/22 13:39	1
Dibenz(a,h)anthracene	ND		0.20	0.12	ug/L		05/31/22 09:55	06/06/22 13:39	1
Fluoranthene	ND		0.20	0.068	ug/L		05/31/22 09:55	06/06/22 13:39	1
Fluorene	ND		0.20	0.075	ug/L		05/31/22 09:55	06/06/22 13:39	1
Indeno[1,2,3-cd]pyrene	ND		0.20	0.11	ug/L		05/31/22 09:55	06/06/22 13:39	1
1-Methylnaphthalene	ND		0.20	0.073	ug/L		05/31/22 09:55	06/06/22 13:39	1
2-Methylnaphthalene	ND		0.20	0.077	ug/L		05/31/22 09:55	06/06/22 13:39	1
Naphthalene	ND		0.20	0.083	ug/L		05/31/22 09:55	06/06/22 13:39	1
Phenanthrene	ND		0.20	0.073	ug/L		05/31/22 09:55	06/06/22 13:39	1
Pyrene	ND		0.20	0.066	ug/L		05/31/22 09:55	06/06/22 13:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*53*		*33 - 144*	*05/31/22 09:55*	*06/06/22 13:39*	*1*
Nitrobenzene-d5 (Surr)	*53*		*28 - 139*	*05/31/22 09:55*	*06/06/22 13:39*	*1*
p-Terphenyl-d14 (Surr)	*57*		*23 - 160*	*05/31/22 09:55*	*06/06/22 13:39*	*1*

Lab Sample ID: LCS 570-237833/2-A
Matrix: Water
Analysis Batch: 239243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 237833

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene			2.00	1.359		ug/L		68	55 - 121
Acenaphthylene			2.00	1.472		ug/L		74	33 - 145
Anthracene			2.00	1.460		ug/L		73	27 - 133

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCS 570-237833/2-A
Matrix: Water
Analysis Batch: 239243

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 237833

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			2.00	1.431		ug/L		72	33 - 143		
Benzo[a]pyrene			2.00	1.326		ug/L		66	17 - 163		
Benzo[b]fluoranthene			2.00	1.293		ug/L		65	24 - 159		
Benzo[g,h,i]perylene			2.00	1.561		ug/L		78	25 - 157		
Benzo[k]fluoranthene			2.00	1.434		ug/L		72	24 - 159		
Chrysene			2.00	1.476		ug/L		74	17 - 168		
Dibenz(a,h)anthracene			2.00	1.506		ug/L		75	25 - 175		
Fluoranthene			2.00	1.376		ug/L		69	26 - 137		
Fluorene			2.00	1.469		ug/L		73	59 - 121		
Indeno[1,2,3-cd]pyrene			2.00	1.828		ug/L		91	25 - 175		
1-Methylnaphthalene			2.00	1.477		ug/L		74	20 - 140		
2-Methylnaphthalene			2.00	1.472		ug/L		74	21 - 140		
Naphthalene			2.00	1.344		ug/L		67	21 - 133		
Phenanthrene			2.00	1.415		ug/L		71	54 - 120		
Pyrene			2.00	1.458		ug/L		73	45 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*56*		*33 - 144*
Nitrobenzene-d5 (Surr)	*57*		*28 - 139*
p-Terphenyl-d14 (Surr)	*58*		*23 - 160*

Lab Sample ID: LCSD 570-237833/3-A
Matrix: Water
Analysis Batch: 239243

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 237833

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			2.00	1.313		ug/L		66	55 - 121	3	25
Acenaphthylene			2.00	1.417		ug/L		71	33 - 145	4	25
Anthracene			2.00	1.392		ug/L		70	27 - 133	5	25
Benzo[a]anthracene			2.00	1.403		ug/L		70	33 - 143	2	25
Benzo[a]pyrene			2.00	1.288		ug/L		64	17 - 163	3	25
Benzo[b]fluoranthene			2.00	1.266		ug/L		63	24 - 159	2	25
Benzo[g,h,i]perylene			2.00	1.541		ug/L		77	25 - 157	1	25
Benzo[k]fluoranthene			2.00	1.420		ug/L		71	24 - 159	1	25
Chrysene			2.00	1.444		ug/L		72	17 - 168	2	25
Dibenz(a,h)anthracene			2.00	1.500		ug/L		75	25 - 175	0	25
Fluoranthene			2.00	1.347		ug/L		67	26 - 137	2	25
Fluorene			2.00	1.351		ug/L		68	59 - 121	8	25
Indeno[1,2,3-cd]pyrene			2.00	1.812		ug/L		91	25 - 175	1	25
1-Methylnaphthalene			2.00	1.396		ug/L		70	20 - 140	6	25
2-Methylnaphthalene			2.00	1.418		ug/L		71	21 - 140	4	25
Naphthalene			2.00	1.309		ug/L		65	21 - 133	3	25
Phenanthrene			2.00	1.357		ug/L		68	54 - 120	4	25
Pyrene			2.00	1.418		ug/L		71	45 - 129	3	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*55*		*33 - 144*
Nitrobenzene-d5 (Surr)	*54*		*28 - 139*

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCSD 570-237833/3-A
Matrix: Water
Analysis Batch: 239243

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 237833

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl-d14 (Surr)	57		23 - 160

Method: 245.1 - Mercury (CVAA)

Lab Sample ID: MB 570-240200/1-A
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240200

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:06	06/09/22 17:52	1

Lab Sample ID: LCS 570-240200/2-A
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240200

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00800	0.008234		mg/L		103	85 - 115

Lab Sample ID: LCSD 570-240200/3-A
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 240200

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	0.00800	0.008159		mg/L		102	85 - 115	1	10

Lab Sample ID: 570-97823-4 MS
Matrix: Water
Analysis Batch: 240391

Client Sample ID: MW27
Prep Type: Total/NA
Prep Batch: 240200

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	ND		0.00800	0.008462		mg/L		106	80 - 120

Lab Sample ID: 570-97823-4 MSD
Matrix: Water
Analysis Batch: 240391

Client Sample ID: MW27
Prep Type: Total/NA
Prep Batch: 240200

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.008404		mg/L		105	80 - 120	1	10

Lab Sample ID: MB 570-240214/1-A
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 240214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200	0.000124	mg/L		06/09/22 10:32	06/09/22 16:41	1

QC Sample Results

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

Job ID: 570-97823-1

Method: 245.1 - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 570-240214/2-A
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 240214

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			0.00800	0.008272		mg/L		103	85 - 115		

Lab Sample ID: LCSD 570-240214/3-A
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 240214

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury			0.00800	0.008328		mg/L		104	85 - 115	1	10

Lab Sample ID: 570-98398-A-7-B MS
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 240214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury	ND		0.00800	0.008015		mg/L		100	80 - 120		

Lab Sample ID: 570-98398-A-7-C MSD
Matrix: Water
Analysis Batch: 240391

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 240214

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	ND		0.00800	0.007933		mg/L		99	80 - 120	1	10

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-97665-A-9-B MS
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 238199

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	ND		0.500	0.4926		mg/L		99	80 - 140		
Barium	0.0307		0.500	0.5164		mg/L		97	87 - 123		
Cadmium	ND		0.500	0.4733		mg/L		95	82 - 124		
Chromium	ND		0.500	0.4966		mg/L		99	86 - 122		
Lead	ND		0.500	0.4791		mg/L		96	84 - 120		
Selenium	ND		0.500	0.4686		mg/L		94	79 - 127		
Silver	ND		0.250	0.2443		mg/L		98	86 - 128		

Lab Sample ID: 570-97665-A-9-C MSD
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 238199

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		0.500	0.4838		mg/L		97	80 - 140	2	11
Barium	0.0307		0.500	0.5067		mg/L		95	87 - 123	2	6
Cadmium	ND		0.500	0.4656		mg/L		93	82 - 124	2	7
Chromium	ND		0.500	0.4864		mg/L		97	86 - 122	2	8
Lead	ND		0.500	0.4690		mg/L		94	84 - 120	2	7
Selenium	ND		0.500	0.4579		mg/L		92	79 - 127	2	9
Silver	ND		0.250	0.2393		mg/L		96	86 - 128	2	7

QC Sample Results

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

Job ID: 570-97823-1

Method: 6010B - Metals (ICP)

Lab Sample ID: 570-97754-Q-3-B MS
Matrix: Water
Analysis Batch: 239374

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 239020

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.0412	J	0.500	0.5449		mg/L		101	80 - 140
Barium	0.221		0.500	0.6920		mg/L		94	87 - 123
Cadmium	ND		0.500	0.4630		mg/L		93	82 - 124
Chromium	ND		0.500	0.4838		mg/L		97	86 - 122
Lead	ND		0.500	0.4662		mg/L		93	84 - 120
Selenium	ND		0.500	0.4666		mg/L		93	79 - 127
Silver	ND		0.250	0.2518		mg/L		101	86 - 128

Lab Sample ID: 570-97754-Q-3-C MSD
Matrix: Water
Analysis Batch: 239374

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 239020

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.0412	J	0.500	0.5538		mg/L		103	80 - 140	2	11
Barium	0.221		0.500	0.7114		mg/L		98	87 - 123	3	6
Cadmium	ND		0.500	0.4758		mg/L		95	82 - 124	3	7
Chromium	ND		0.500	0.5007		mg/L		100	86 - 122	3	8
Lead	ND		0.500	0.4836		mg/L		97	84 - 120	4	7
Selenium	ND		0.500	0.4684		mg/L		94	79 - 127	0	9
Silver	ND		0.250	0.2599		mg/L		104	86 - 128	3	7

Lab Sample ID: MB 570-238199/1-A
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 238199

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/01/22 12:48	06/02/22 15:30	1
Barium	ND		0.0100	0.00111	mg/L		06/01/22 12:48	06/02/22 15:30	1
Cadmium	ND		0.0100	0.000620	mg/L		06/01/22 12:48	06/02/22 15:30	1
Chromium	ND		0.0500	0.00296	mg/L		06/01/22 12:48	06/02/22 15:30	1
Lead	ND		0.0500	0.00527	mg/L		06/01/22 12:48	06/02/22 15:30	1
Selenium	ND		0.100	0.0162	mg/L		06/01/22 12:48	06/02/22 15:30	1
Silver	ND		0.0100	0.00259	mg/L		06/01/22 12:48	06/02/22 15:30	1

Lab Sample ID: LCS 570-238199/2-A
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 238199

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.500	0.4718		mg/L		94	80 - 120
Barium	0.500	0.4867		mg/L		97	80 - 120
Cadmium	0.500	0.4741		mg/L		95	80 - 120
Chromium	0.500	0.4916		mg/L		98	80 - 120
Lead	0.500	0.4822		mg/L		96	80 - 120
Selenium	0.500	0.4540		mg/L		91	80 - 120
Silver	0.250	0.2407		mg/L		96	80 - 120

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCSD 570-238199/3-A
Matrix: Water
Analysis Batch: 238587

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 238199

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.4715		mg/L		94	80 - 120	0	20
Barium			0.500	0.4794		mg/L		96	80 - 120	2	20
Cadmium			0.500	0.4727		mg/L		95	80 - 120	0	20
Chromium			0.500	0.4885		mg/L		98	80 - 120	1	20
Lead			0.500	0.4785		mg/L		96	80 - 120	1	20
Selenium			0.500	0.4560		mg/L		91	80 - 120	0	20
Silver			0.250	0.2387		mg/L		95	80 - 120	1	20

Lab Sample ID: MB 570-239020/1-A
Matrix: Water
Analysis Batch: 239374

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 239020

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.100	0.0199	mg/L		06/04/22 05:41	06/06/22 14:27	1
Barium	ND		0.0100	0.00111	mg/L		06/04/22 05:41	06/06/22 14:27	1
Cadmium	ND		0.0100	0.000620	mg/L		06/04/22 05:41	06/06/22 14:27	1
Chromium	ND		0.0500	0.00296	mg/L		06/04/22 05:41	06/06/22 14:27	1
Lead	ND		0.0500	0.00527	mg/L		06/04/22 05:41	06/06/22 14:27	1
Selenium	ND		0.100	0.0162	mg/L		06/04/22 05:41	06/06/22 14:27	1
Silver	ND		0.0100	0.00259	mg/L		06/04/22 05:41	06/06/22 14:27	1

Lab Sample ID: LCS 570-239020/2-A
Matrix: Water
Analysis Batch: 239374

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 239020

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			0.500	0.4745		mg/L		95	80 - 120		
Barium			0.500	0.4800		mg/L		96	80 - 120		
Cadmium			0.500	0.4756		mg/L		95	80 - 120		
Chromium			0.500	0.4831		mg/L		97	80 - 120		
Lead			0.500	0.4796		mg/L		96	80 - 120		
Selenium			0.500	0.4653		mg/L		93	80 - 120		
Silver			0.250	0.2402		mg/L		96	80 - 120		

Lab Sample ID: LCSD 570-239020/3-A
Matrix: Water
Analysis Batch: 239374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 239020

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			0.500	0.5016		mg/L		100	80 - 120	6	20
Barium			0.500	0.5065		mg/L		101	80 - 120	5	20
Cadmium			0.500	0.5089		mg/L		102	80 - 120	7	20
Chromium			0.500	0.5103		mg/L		102	80 - 120	5	20
Lead			0.500	0.5094		mg/L		102	80 - 120	6	20
Selenium			0.500	0.4868		mg/L		97	80 - 120	5	20
Silver			0.250	0.2540		mg/L		102	80 - 120	6	20

QC Sample Results

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

Job ID: 570-97823-1

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: MB 410-262656/30
Matrix: Water
Analysis Batch: 262656

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		8.00	2.60	mg/L			06/06/22 16:24	1

Lab Sample ID: LCS 410-262656/33
Matrix: Water
Analysis Batch: 262656

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total (As CaCO3)	189	176.6		mg/L		94	82 - 106

Lab Sample ID: LCSD 410-262656/34
Matrix: Water
Analysis Batch: 262656

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	189	180.2		mg/L		95	82 - 106	2	10

Lab Sample ID: MB 410-263433/31
Matrix: Water
Analysis Batch: 263433

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		8.00	2.60	mg/L			06/07/22 20:36	1

Lab Sample ID: MB 410-263433/4
Matrix: Water
Analysis Batch: 263433

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		8.00	2.60	mg/L			06/07/22 17:41	1

Lab Sample ID: MB 410-263433/61
Matrix: Water
Analysis Batch: 263433

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total (As CaCO3)	ND		8.00	2.60	mg/L			06/08/22 00:08	1

Lab Sample ID: LCS 410-263433/32
Matrix: Water
Analysis Batch: 263433

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total (As CaCO3)	189	191.3		mg/L		101	82 - 106

Lab Sample ID: LCS 410-263433/5
Matrix: Water
Analysis Batch: 263433

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Alkalinity, Total (As CaCO3)	189	188.0		mg/L		100	82 - 106

QC Sample Results

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

Job ID: 570-97823-1

Method: 2320B-2011 - Alkalinity, Total

Lab Sample ID: LCS 410-263433/62
Matrix: Water
Analysis Batch: 263433

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Alkalinity, Total (As CaCO3)			189	193.0		mg/L		102	82 - 106		

Lab Sample ID: LCSD 410-263433/33
Matrix: Water
Analysis Batch: 263433

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)			189	188.3		mg/L		100	82 - 106	2	10

Lab Sample ID: LCSD 410-263433/6
Matrix: Water
Analysis Batch: 263433

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)			189	189.7		mg/L		100	82 - 106	1	10

Lab Sample ID: LCSD 410-263433/63
Matrix: Water
Analysis Batch: 263433

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Alkalinity, Total (As CaCO3)			189	189.2		mg/L		100	82 - 106	2	10

Lab Sample ID: 410-86011-J-2 MS
Matrix: Water
Analysis Batch: 263433

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		
Alkalinity, Total (As CaCO3)	203		189	381.7		mg/L		94	82 - 106		

Lab Sample ID: 410-86011-E-2 DU
Matrix: Water
Analysis Batch: 263433

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total (As CaCO3)	203		207.1		mg/L		2	5

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

Lab Sample ID: MB 570-237951/1
Matrix: Water
Analysis Batch: 237951

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		10.0	8.70	mg/L			05/31/22 15:09	1

QC Sample Results

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

Job ID: 570-97823-1

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

Lab Sample ID: LCS 570-237951/2
Matrix: Water
Analysis Batch: 237951

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			1000	920.0		mg/L		92	84 - 108		

Lab Sample ID: LCSD 570-237951/3
Matrix: Water
Analysis Batch: 237951

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			1000	902.0		mg/L		90	84 - 108	2	10

Lab Sample ID: 570-97823-1 DU
Matrix: Water
Analysis Batch: 237951

Client Sample ID: MW30
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	566			622.0		mg/L				9	10

Lab Sample ID: MB 570-238333/1
Matrix: Water
Analysis Batch: 238333

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		10.0	8.70	mg/L			06/01/22 19:42	1

Lab Sample ID: LCS 570-238333/2
Matrix: Water
Analysis Batch: 238333

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			1000	970.0		mg/L		97	84 - 108		

Lab Sample ID: LCSD 570-238333/3
Matrix: Water
Analysis Batch: 238333

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			1000	954.0		mg/L		95	84 - 108	2	10

Lab Sample ID: 570-97827-H-2 DU
Matrix: Water
Analysis Batch: 238333

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	942			1044		mg/L				10	10

QC Sample Results

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

Job ID: 570-97823-1

Method: SM 4500 Cl- C - Chloride, Total

Lab Sample ID: MB 570-241087/1
Matrix: Water
Analysis Batch: 241087

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			06/15/22 13:51	1

Lab Sample ID: LCS 570-241087/2
Matrix: Water
Analysis Batch: 241087

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			100	102.0		mg/L		102	80 - 120		

Lab Sample ID: LCSD 570-241087/3
Matrix: Water
Analysis Batch: 241087

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride			100	100.2		mg/L		100	80 - 120	2	10

Lab Sample ID: 570-98248-D-2 MS
Matrix: Water
Analysis Batch: 241087

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	821		5000	5819		mg/L		100	75 - 125		

Lab Sample ID: 570-98248-D-2 MSD
Matrix: Water
Analysis Batch: 241087

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	821		5000	5764		mg/L		99	75 - 125	1	15

Lab Sample ID: 570-98248-D-2 DU
Matrix: Water
Analysis Batch: 241087

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Chloride	821			785.3		mg/L				4	15

QC Association Summary

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

Job ID: 570-97823-1

GC/MS VOA

Analysis Batch: 239071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	8260B	
570-97823-2	MW29	Total/NA	Water	8260B	
MB 570-239071/6	Method Blank	Total/NA	Water	8260B	
LCS 570-239071/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-239071/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 239407

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-3	MW28	Total/NA	Water	8260B	
MB 570-239407/6	Method Blank	Total/NA	Water	8260B	
LCS 570-239407/3	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-239407/4	Lab Control Sample Dup	Total/NA	Water	8260B	

Analysis Batch: 239520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-4	MW27	Total/NA	Water	8260B	
570-97823-5	MW32	Total/NA	Water	8260B	
570-97823-6	MW31	Total/NA	Water	8260B	
570-97823-7	MW11	Total/NA	Water	8260B	
570-97823-8	MW22	Total/NA	Water	8260B	
570-97823-9	MW17	Total/NA	Water	8260B	
570-97823-10	MW3	Total/NA	Water	8260B	
570-97823-11	MW6	Total/NA	Water	8260B	
MB 570-239520/10	Method Blank	Total/NA	Water	8260B	
LCS 570-239520/7	Lab Control Sample	Total/NA	Water	8260B	
LCSD 570-239520/8	Lab Control Sample Dup	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 237833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	3510C	
570-97823-2	MW29	Total/NA	Water	3510C	
570-97823-3	MW28	Total/NA	Water	3510C	
570-97823-4	MW27	Total/NA	Water	3510C	
570-97823-5	MW32	Total/NA	Water	3510C	
570-97823-6	MW31	Total/NA	Water	3510C	
570-97823-7	MW11	Total/NA	Water	3510C	
570-97823-8	MW22	Total/NA	Water	3510C	
570-97823-9	MW17	Total/NA	Water	3510C	
570-97823-10 - DL	MW3	Total/NA	Water	3510C	
570-97823-11	MW6	Total/NA	Water	3510C	
MB 570-237833/1-A	Method Blank	Total/NA	Water	3510C	
LCS 570-237833/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 570-237833/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 238461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-3	MW28	Total/NA	Water	8270C SIM	237833
570-97823-4	MW27	Total/NA	Water	8270C SIM	237833
570-97823-5	MW32	Total/NA	Water	8270C SIM	237833

QC Association Summary

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

Job ID: 570-97823-1

GC/MS Semi VOA (Continued)

Analysis Batch: 238461 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-6	MW31	Total/NA	Water	8270C SIM	237833
570-97823-7	MW11	Total/NA	Water	8270C SIM	237833
570-97823-8	MW22	Total/NA	Water	8270C SIM	237833

Analysis Batch: 239243

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	8270C SIM	237833
570-97823-2	MW29	Total/NA	Water	8270C SIM	237833
570-97823-9	MW17	Total/NA	Water	8270C SIM	237833
570-97823-10 - DL	MW3	Total/NA	Water	8270C SIM	237833
570-97823-11	MW6	Total/NA	Water	8270C SIM	237833
MB 570-237833/1-A	Method Blank	Total/NA	Water	8270C SIM	237833
LCS 570-237833/2-A	Lab Control Sample	Total/NA	Water	8270C SIM	237833
LCSD 570-237833/3-A	Lab Control Sample Dup	Total/NA	Water	8270C SIM	237833

Metals

Prep Batch: 238199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total Recoverable	Water	3005A	
570-97823-2	MW29	Total Recoverable	Water	3005A	
570-97823-3	MW28	Total Recoverable	Water	3005A	
570-97823-4	MW27	Total Recoverable	Water	3005A	
570-97823-5	MW32	Total Recoverable	Water	3005A	
570-97823-6	MW31	Total Recoverable	Water	3005A	
570-97823-7	MW11	Total Recoverable	Water	3005A	
570-97823-8	MW22	Total Recoverable	Water	3005A	
MB 570-238199/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-238199/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-238199/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-97665-A-9-B MS	Matrix Spike	Total/NA	Water	3005A	
570-97665-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 238587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total Recoverable	Water	6010B	238199
570-97823-2	MW29	Total Recoverable	Water	6010B	238199
570-97823-3	MW28	Total Recoverable	Water	6010B	238199
MB 570-238199/1-A	Method Blank	Total Recoverable	Water	6010B	238199
LCS 570-238199/2-A	Lab Control Sample	Total Recoverable	Water	6010B	238199
LCSD 570-238199/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	238199
570-97665-A-9-B MS	Matrix Spike	Total/NA	Water	6010B	238199
570-97665-A-9-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	238199

Analysis Batch: 238737

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-4	MW27	Total Recoverable	Water	6010B	238199
570-97823-5	MW32	Total Recoverable	Water	6010B	238199
570-97823-6	MW31	Total Recoverable	Water	6010B	238199
570-97823-7	MW11	Total Recoverable	Water	6010B	238199
570-97823-8	MW22	Total Recoverable	Water	6010B	238199

QC Association Summary

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

Job ID: 570-97823-1

Metals

Prep Batch: 239020

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-9	MW17	Total Recoverable	Water	3005A	
570-97823-10	MW3	Total Recoverable	Water	3005A	
570-97823-11	MW6	Total Recoverable	Water	3005A	
MB 570-239020/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 570-239020/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 570-239020/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
570-97754-Q-3-B MS	Matrix Spike	Total/NA	Water	3005A	
570-97754-Q-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	3005A	

Analysis Batch: 239374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-9	MW17	Total Recoverable	Water	6010B	239020
570-97823-10	MW3	Total Recoverable	Water	6010B	239020
570-97823-11	MW6	Total Recoverable	Water	6010B	239020
MB 570-239020/1-A	Method Blank	Total Recoverable	Water	6010B	239020
LCS 570-239020/2-A	Lab Control Sample	Total Recoverable	Water	6010B	239020
LCSD 570-239020/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010B	239020
570-97754-Q-3-B MS	Matrix Spike	Total/NA	Water	6010B	239020
570-97754-Q-3-C MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	239020

Prep Batch: 240200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	245.1	
570-97823-2	MW29	Total/NA	Water	245.1	
570-97823-3	MW28	Total/NA	Water	245.1	
570-97823-4	MW27	Total/NA	Water	245.1	
570-97823-5	MW32	Total/NA	Water	245.1	
570-97823-6	MW31	Total/NA	Water	245.1	
570-97823-7	MW11	Total/NA	Water	245.1	
570-97823-8	MW22	Total/NA	Water	245.1	
570-97823-9	MW17	Total/NA	Water	245.1	
570-97823-11	MW6	Total/NA	Water	245.1	
MB 570-240200/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-240200/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-240200/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-97823-4 MS	MW27	Total/NA	Water	245.1	
570-97823-4 MSD	MW27	Total/NA	Water	245.1	

Prep Batch: 240214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-10	MW3	Total/NA	Water	245.1	
MB 570-240214/1-A	Method Blank	Total/NA	Water	245.1	
LCS 570-240214/2-A	Lab Control Sample	Total/NA	Water	245.1	
LCSD 570-240214/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	
570-98398-A-7-B MS	Matrix Spike	Total/NA	Water	245.1	
570-98398-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	

Analysis Batch: 240391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	245.1	240200
570-97823-2	MW29	Total/NA	Water	245.1	240200

QC Association Summary

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

Job ID: 570-97823-1

Metals (Continued)

Analysis Batch: 240391 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-3	MW28	Total/NA	Water	245.1	240200
570-97823-4	MW27	Total/NA	Water	245.1	240200
570-97823-5	MW32	Total/NA	Water	245.1	240200
570-97823-6	MW31	Total/NA	Water	245.1	240200
570-97823-7	MW11	Total/NA	Water	245.1	240200
570-97823-8	MW22	Total/NA	Water	245.1	240200
570-97823-9	MW17	Total/NA	Water	245.1	240200
570-97823-10	MW3	Total/NA	Water	245.1	240214
570-97823-11	MW6	Total/NA	Water	245.1	240200
MB 570-240200/1-A	Method Blank	Total/NA	Water	245.1	240200
MB 570-240214/1-A	Method Blank	Total/NA	Water	245.1	240214
LCS 570-240200/2-A	Lab Control Sample	Total/NA	Water	245.1	240200
LCS 570-240214/2-A	Lab Control Sample	Total/NA	Water	245.1	240214
LCSD 570-240200/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	240200
LCSD 570-240214/3-A	Lab Control Sample Dup	Total/NA	Water	245.1	240214
570-97823-4 MS	MW27	Total/NA	Water	245.1	240200
570-97823-4 MSD	MW27	Total/NA	Water	245.1	240200
570-98398-A-7-B MS	Matrix Spike	Total/NA	Water	245.1	240214
570-98398-A-7-C MSD	Matrix Spike Duplicate	Total/NA	Water	245.1	240214

General Chemistry

Analysis Batch: 237951

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	SM 2540C	
570-97823-2	MW29	Total/NA	Water	SM 2540C	
570-97823-3	MW28	Total/NA	Water	SM 2540C	
570-97823-4	MW27	Total/NA	Water	SM 2540C	
570-97823-5	MW32	Total/NA	Water	SM 2540C	
570-97823-6	MW31	Total/NA	Water	SM 2540C	
MB 570-237951/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-237951/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-237951/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-97823-1 DU	MW30	Total/NA	Water	SM 2540C	

Analysis Batch: 238333

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-7	MW11	Total/NA	Water	SM 2540C	
570-97823-8	MW22	Total/NA	Water	SM 2540C	
570-97823-9	MW17	Total/NA	Water	SM 2540C	
570-97823-10	MW3	Total/NA	Water	SM 2540C	
570-97823-11	MW6	Total/NA	Water	SM 2540C	
MB 570-238333/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 570-238333/2	Lab Control Sample	Total/NA	Water	SM 2540C	
LCSD 570-238333/3	Lab Control Sample Dup	Total/NA	Water	SM 2540C	
570-97827-H-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 241087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	SM 4500 Cl- C	
570-97823-2	MW29	Total/NA	Water	SM 4500 Cl- C	

QC Association Summary

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

Job ID: 570-97823-1

General Chemistry (Continued)

Analysis Batch: 241087 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-3	MW28	Total/NA	Water	SM 4500 Cl- C	
570-97823-4	MW27	Total/NA	Water	SM 4500 Cl- C	
570-97823-5	MW32	Total/NA	Water	SM 4500 Cl- C	
570-97823-6	MW31	Total/NA	Water	SM 4500 Cl- C	
570-97823-7	MW11	Total/NA	Water	SM 4500 Cl- C	
570-97823-8	MW22	Total/NA	Water	SM 4500 Cl- C	
570-97823-9	MW17	Total/NA	Water	SM 4500 Cl- C	
570-97823-10	MW3	Total/NA	Water	SM 4500 Cl- C	
570-97823-11	MW6	Total/NA	Water	SM 4500 Cl- C	
MB 570-241087/1	Method Blank	Total/NA	Water	SM 4500 Cl- C	
LCS 570-241087/2	Lab Control Sample	Total/NA	Water	SM 4500 Cl- C	
LCSD 570-241087/3	Lab Control Sample Dup	Total/NA	Water	SM 4500 Cl- C	
570-98248-D-2 MS	Matrix Spike	Total/NA	Water	SM 4500 Cl- C	
570-98248-D-2 MSD	Matrix Spike Duplicate	Total/NA	Water	SM 4500 Cl- C	
570-98248-D-2 DU	Duplicate	Total/NA	Water	SM 4500 Cl- C	

Analysis Batch: 262656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-1	MW30	Total/NA	Water	2320B-2011	
570-97823-2	MW29	Total/NA	Water	2320B-2011	
MB 410-262656/30	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-262656/33	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-262656/34	Lab Control Sample Dup	Total/NA	Water	2320B-2011	

Analysis Batch: 263433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
570-97823-3	MW28	Total/NA	Water	2320B-2011	
570-97823-4	MW27	Total/NA	Water	2320B-2011	
570-97823-5	MW32	Total/NA	Water	2320B-2011	
570-97823-6	MW31	Total/NA	Water	2320B-2011	
570-97823-7	MW11	Total/NA	Water	2320B-2011	
570-97823-8	MW22	Total/NA	Water	2320B-2011	
570-97823-9	MW17	Total/NA	Water	2320B-2011	
570-97823-10	MW3	Total/NA	Water	2320B-2011	
570-97823-11	MW6	Total/NA	Water	2320B-2011	
MB 410-263433/31	Method Blank	Total/NA	Water	2320B-2011	
MB 410-263433/4	Method Blank	Total/NA	Water	2320B-2011	
MB 410-263433/61	Method Blank	Total/NA	Water	2320B-2011	
LCS 410-263433/32	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 410-263433/5	Lab Control Sample	Total/NA	Water	2320B-2011	
LCS 410-263433/62	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 410-263433/33	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
LCSD 410-263433/6	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
LCSD 410-263433/63	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
410-86011-J-2 MS	Matrix Spike	Total/NA	Water	2320B-2011	
410-86011-E-2 DU	Duplicate	Total/NA	Water	2320B-2011	

Lab Chronicle

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

Job ID: 570-97823-1

Client Sample ID: MW30

Date Collected: 05/24/22 12:45
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-1

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	239071	06/06/22 18:59	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1052.9 mL	2 mL	237833	05/31/22 09:55	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			239243	06/06/22 14:40	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:16	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238587	06/02/22 16:08	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			262656	06/06/22 18:19	DI9Q	ELLE
	Instrument ID: 19074									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	237951	05/31/22 15:09	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW29

Date Collected: 05/24/22 14:00
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-2

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	239071	06/06/22 19:27	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1054.6 mL	2 mL	237833	05/31/22 09:55	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			239243	06/06/22 15:01	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:18	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238587	06/02/22 16:11	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			262656	06/06/22 18:26	DI9Q	ELLE
	Instrument ID: 19074									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	237951	05/31/22 15:09	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 570-97823-1

Client Sample ID: MW28

Date Collected: 05/25/22 08:40
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-3
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	239407	06/07/22 03:50	VYF4	ECL 4
	Instrument ID: GCMSVV									
Total/NA	Prep	3510C			1053.7 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			238461	06/03/22 19:06	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:20	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238587	06/02/22 16:13	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 01:35	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	237951	05/31/22 15:09	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW27

Date Collected: 05/25/22 09:20
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-4
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	239520	06/07/22 16:57	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1057.3 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			238461	06/03/22 19:26	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:22	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238737	06/02/22 18:02	VZ0K	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 00:02	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	237951	05/31/22 15:09	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 570-97823-1

Client Sample ID: MW32

Date Collected: 05/25/22 10:10
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-5
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	239520	06/07/22 17:25	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1057.7 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			238461	06/03/22 19:47	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:27	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238737	06/02/22 18:05	VZ0K	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 01:03	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	237951	05/31/22 15:09	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW31

Date Collected: 05/25/22 11:50
Date Received: 05/27/22 10:30

Lab Sample ID: 570-97823-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	239520	06/07/22 17:53	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1055.1 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			238461	06/03/22 20:07	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:29	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238737	06/02/22 18:07	VZ0K	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/07/22 23:49	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	237951	05/31/22 15:09	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 570-97823-1

Client Sample ID: MW11

Date Collected: 05/25/22 12:25
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	20 mL	20 mL	239520	06/07/22 18:20	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1054.6 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			238461	06/03/22 20:27	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:39	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238737	06/02/22 18:10	VZ0K	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 01:21	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	238333	06/01/22 19:42	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW22

Date Collected: 05/25/22 13:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-8
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	239520	06/07/22 18:48	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1052.8 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			238461	06/03/22 20:48	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:40	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	238199	06/01/22 12:48		ECL 4
Total Recoverable	Analysis	6010B		1			238737	06/02/22 18:12	VZ0K	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 01:27	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	238333	06/01/22 19:42	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 570-97823-1

Client Sample ID: MW17

Date Collected: 05/25/22 14:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-9
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		20	20 mL	20 mL	239520	06/07/22 19:16	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1055.6 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		10			239243	06/06/22 10:16	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:37	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	239020	06/04/22 05:41		ECL 4
Total Recoverable	Analysis	6010B		1			239374	06/06/22 14:55	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 01:14	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	238333	06/01/22 19:42	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Client Sample ID: MW3

Date Collected: 05/26/22 09:00
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-10
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	239520	06/07/22 19:44	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C	DL		1054.2 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM	DL	2			239243	06/06/22 11:57	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240214	06/09/22 10:32		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 16:58	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	239020	06/04/22 05:41		ECL 4
Total Recoverable	Analysis	6010B		1			239374	06/06/22 14:57	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/07/22 23:41	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	50 mL	1000 mL	238333	06/01/22 19:42	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	50 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Lab Chronicle

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

Job ID: 570-97823-1

Client Sample ID: MW6

Date Collected: 05/26/22 09:45
Date Received: 05/28/22 10:15

Lab Sample ID: 570-97823-11

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	239520	06/07/22 20:12	P3GT	ECL 4
	Instrument ID: GCMSUU									
Total/NA	Prep	3510C			1054.4 mL	2 mL	237833	06/01/22 05:23	H1SH	ECL 4
Total/NA	Analysis	8270C SIM		1			239243	06/06/22 10:56	ULLI	ECL 4
	Instrument ID: GCMSAAA									
Total/NA	Prep	245.1			25 mL	50 mL	240200	06/09/22 10:06		ECL 4
Total/NA	Analysis	245.1		1			240391	06/09/22 18:31	VWJ7	ECL 4
	Instrument ID: HG7									
Total Recoverable	Prep	3005A			50 mL	50 mL	239020	06/04/22 05:41		ECL 4
Total Recoverable	Analysis	6010B		1			239374	06/06/22 15:00	P1R	ECL 4
	Instrument ID: ICP11									
Total/NA	Analysis	2320B-2011		1			263433	06/08/22 00:47	DI9Q	ELLE
	Instrument ID: 19153									
Total/NA	Analysis	SM 2540C		1	100 mL	1000 mL	238333	06/01/22 19:42	ZL7L	ECL 4
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 4500 Cl- C		1	10 mL	50 mL	241087	06/15/22 13:51	UAPD	ECL 4
	Instrument ID: NOEQUIP									

Laboratory References:

ECL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4175	01-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
245.1	245.1	Water	Mercury
6010B	3005A	Water	Arsenic
6010B	3005A	Water	Barium
6010B	3005A	Water	Cadmium
6010B	3005A	Water	Chromium
6010B	3005A	Water	Lead
6010B	3005A	Water	Selenium
6010B	3005A	Water	Silver
8260B		Water	1,1,1,2-Tetrachloroethane
8260B		Water	1,1,1-Trichloroethane
8260B		Water	1,1,2,2-Tetrachloroethane
8260B		Water	1,1,2-Trichloro-1,2,2-trifluoroethane
8260B		Water	1,1,2-Trichloroethane
8260B		Water	1,1-Dichloroethane
8260B		Water	1,1-Dichloroethene
8260B		Water	1,1-Dichloropropene
8260B		Water	1,2,3-Trichlorobenzene
8260B		Water	1,2,3-Trichloropropane
8260B		Water	1,2,4-Trichlorobenzene
8260B		Water	1,2,4-Trimethylbenzene
8260B		Water	1,2-Dibromo-3-Chloropropane
8260B		Water	1,2-Dibromoethane
8260B		Water	1,2-Dichlorobenzene
8260B		Water	1,2-Dichloroethane
8260B		Water	1,2-Dichloropropane
8260B		Water	1,3,5-Trimethylbenzene
8260B		Water	1,3-Dichlorobenzene
8260B		Water	1,3-Dichloropropane
8260B		Water	1,4-Dichlorobenzene
8260B		Water	2,2-Dichloropropane
8260B		Water	2-Butanone
8260B		Water	2-Chlorotoluene
8260B		Water	2-Hexanone
8260B		Water	4-Chlorotoluene
8260B		Water	4-Methyl-2-pentanone
8260B		Water	Acetone
8260B		Water	Benzene
8260B		Water	Bromobenzene
8260B		Water	Bromochloromethane
8260B		Water	Bromodichloromethane
8260B		Water	Bromoform
8260B		Water	Bromomethane
8260B		Water	c-1,2-Dichloroethene
8260B		Water	c-1,3-Dichloropropene
8260B		Water	Carbon disulfide

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8260B		Water	Carbon tetrachloride
8260B		Water	Chlorobenzene
8260B		Water	Chloroethane
8260B		Water	Chloroform
8260B		Water	Chloromethane
8260B		Water	Dibromochloromethane
8260B		Water	Dibromomethane
8260B		Water	Dichlorodifluoromethane
8260B		Water	Ethylbenzene
8260B		Water	Hexachloro-1,3-butadiene
8260B		Water	Isopropylbenzene
8260B		Water	m,p-Xylene
8260B		Water	Methylene Chloride
8260B		Water	Methyl-t-Butyl Ether (MTBE)
8260B		Water	Naphthalene
8260B		Water	n-Butylbenzene
8260B		Water	N-Propylbenzene
8260B		Water	o-Xylene
8260B		Water	p-Isopropyltoluene
8260B		Water	sec-Butylbenzene
8260B		Water	Styrene
8260B		Water	t-1,2-Dichloroethene
8260B		Water	t-1,3-Dichloropropene
8260B		Water	tert-Butylbenzene
8260B		Water	Tetrachloroethene
8260B		Water	Toluene
8260B		Water	Trichloroethene
8260B		Water	Trichlorofluoromethane
8260B		Water	Vinyl chloride
8260B		Water	Xylenes, Total
8270C SIM	3510C	Water	1-Methylnaphthalene
8270C SIM	3510C	Water	2-Methylnaphthalene
8270C SIM	3510C	Water	Acenaphthene
8270C SIM	3510C	Water	Acenaphthylene
8270C SIM	3510C	Water	Anthracene
8270C SIM	3510C	Water	Benzo[a]anthracene
8270C SIM	3510C	Water	Benzo[a]pyrene
8270C SIM	3510C	Water	Benzo[b]fluoranthene
8270C SIM	3510C	Water	Benzo[g,h,i]perylene
8270C SIM	3510C	Water	Benzo[k]fluoranthene
8270C SIM	3510C	Water	Chrysene
8270C SIM	3510C	Water	Dibenz(a,h)anthracene
8270C SIM	3510C	Water	Fluoranthene
8270C SIM	3510C	Water	Fluorene
8270C SIM	3510C	Water	Indeno[1,2,3-cd]pyrene
8270C SIM	3510C	Water	Naphthalene
8270C SIM	3510C	Water	Phenanthrene

Accreditation/Certification Summary

Client: Cardno, Inc
Job ID: 570-97823-1
Project/Site: ExxonMobil Gladiola Station/3612

Laboratory: Eurofins Calscience (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270C SIM	3510C	Water	Pyrene
SM 2540C		Water	Total Dissolved Solids
SM 4500 Cl- C		Water	Chloride

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2792	11-30-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
2320B-2011		Water	Alkalinity, Total (As CaCO3)

Method Summary

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

Job ID: 570-97823-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	ECL 4
8270C SIM	PAHs (GC/MS SIM)	SW846	ECL 4
245.1	Mercury (CVAA)	EPA	ECL 4
6010B	Metals (ICP)	SW846	ECL 4
2320B-2011	Alkalinity, Total	SM	ELLE
SM 2540C	Solids, Total Dissolved (TDS)	SM	ECL 4
SM 4500 Cl- C	Chloride, Total	SM	ECL 4
245.1	Preparation, Mercury	EPA	ECL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	ECL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	ECL 4
5030C	Purge and Trap	SW846	ECL 4

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 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

97823

eurofins

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

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

CHAIN OF CUSTODY RECORD

DATE 5-25-22

PAGE 1 OF 4

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): Nicholas Klncaid

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:

Email results to james.anderson@cardno.com

REQUESTED ANALYSIS

570-97823 Chain of Custody

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MAT RIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba Cd Cr Pb Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids	CONTAINER TYPE
1	MW30	MW30	05/24/22	1245	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
2	MW29	MW29	05/24/22	1400	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
3	MW28	MW28	05/25/22	840	W	7	X	X	X	X	X	3 vials with HCL, 1-1L Amber Glass 250mL Plastic with HNO3, 2-250mL Plastic,
4												
5												
6												

Relinquished by: (Signature)	Received by: (Signature) Fedex	Date & Time: 5-26-22 1200
Relinquished by: (Signature)	Received by: (Signature)	Date & Time: 5/27/2 1030
Relinquished by: (Signature)	Received by: (Signature)	Date & Time:

IR 96 2-3/4.0, 1.9/4.6

6/16/2022

COC\Gladiola 3612 COC 20220526 (1)

97823

eurofins

7440 LINCOLN WAY

GARDEN GROVE, CA 92841-1432

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

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

CHAIN OF CUSTODY RECORD

DATE 5-25-22

PAGE 2 OF 4

ExxonMobil Engr: Homero Gonzalez

LABORATORY CLIENT: Cardno

ADDRESS: 4572 Telephone Road #916

CITY: Ventura, CA 93003

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

GLOBAL ID #/ COELT LOG CODE:

EMES Sub Agreement #A2604415

PROJECT CONTACT: James Anderson

SAMPLER(S): Nicholas Klncaid

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:

Email results to james.anderson@cardno.com

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MAT-RIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As, Ba Cd Cr Pb Se and Ag + EPA 245 1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids							
1	MW27	MW27	05/25/22	920	W	7	X	X	X	X	X							3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
2	MW32	MW32	05/25/22	1010	W	7	X	X	X	X	X							3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
3	MW31	MW31	05/25/22	1150	W	7	X	X	X	X	X							3 vials with HCL, 1 1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
4																		
5																		
6																		

Relinquished by: (Signature)	Received by: (Signature) Fedex	Date, & Time: 5-26-22 1200
Relinquished by: (Signature)	Received by: (Signature)	Date, & Time: 5/27/22 10:30
Relinquished by: (Signature)	Received by: (Signature)	Date & Time:

2-3 | 4-0 JLG

eurofins

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

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

CHAIN OF CUSTODY RECORD

DATE 5-25-22
PAGE 3 OF 4

ExxonMobil Engr: Homero Gonzalez

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

GLOBAL ID #/ COELT LOG CODE:
EMES Sub Agreement #A2604415
PROJECT CONTACT: James Anderson
SAMPLER(S): Nicholas Klncaid
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:
Email results to james.anderson@cardno.com

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MAT-RIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As Ba Cd Cr Pb Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids							
1	MW11	MW11	05/25/22	1225	W	7	X	X	X	X	X							3 vials with HCL, 1 1L Amber Glass 250mL Plastic with HNO3, 2-250mL Plastic,
2	MW22	MW22	05/25/22	1345	W	7	X	X	X	X	X							3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
3	MW17	MW17	05/25/22	1445	W	8	X	X	X	X	X							3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
4																		
5																		
6																		

Relinquished by: (Signature)	Received by: (Signature) FedEx	Date, & Time 5-26-22 1200
Relinquished by: (Signature) FedEx	Received by: (Signature)	Date, & Time: 5-28-22 1015
Relinquished by: (Signature)	Received by: (Signature)	Date & Time:

3.4/5.1 IR96

eurofins

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

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

CHAIN OF CUSTODY RECORD

DATE 5-25-22
PAGE 1 OF 1

ExxonMobil Engr: Homero Gonzalez

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

GLOBAL ID #/ COELT LOG CODE:
EMES Sub Agreement #A2604415
PROJECT CONTACT: James Anderson
SAMPLER(S) Nicholas Kincaid
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:
Email results to james.anderson@cardno.com

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	Field Point Name	SAMPLING DATE	SAMPLING TIME	MAT-RIX	NO. OF CONT	EPA 8260B LL VOCs only	EPA 8270C SIM PAHs	EPA 6010B As Ba Cd Cr Pb Se and Ag + EPA 245.1 Hg	SM 2320B Alkalinity and SM 4500-Cl C Chloride	SM 2540C Total Dissolved Solids							
1	MW3	MW3	05/26/22	900	W	8	X	X	X	X	X							3 vials with HCL, 2-1L Amber Glass, 250mL Plastic with HNO3 2-250mL Plastic,
2	MW6	MW6	05/26/22	945	W	7	X	X	X	X	X							3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3, 2-250mL Plastic,
3					W	7	X	X	X	X	X							3 vials with HCL, 1-1L Amber Glass, 250mL Plastic with HNO3 2-250mL Plastic,
4																		
5																		
6																		

Relinquished by: (Signature)	Received by: (Signature) Fedex	Date, & Time: 5-26-22 1200
Relinquished by: (Signature) (FedEX)	Received by: (Signature) AC BC	Date, & Time: 5-28-2022 10:15
Relinquished by: (Signature)	Received by: (Signature)	Date & Time:

3-2/4.9 IR96

570-97823 Waybill

OVERGOODS / REWRAP DROPOFF

Sort Date: 5/26/22 (circle day: SUN MON TUE WED (THUR) FRI SAT)

Time of drop off: 2006 (Record in military time)

EMP NAME: Jack Williams (please print clearly) 3939144 (EMP NUM)

YOUR MGR: 03 Kendra Funches 1A706 (ORG CODE)

Location where package was discovered: NC 03 – left behind by dayside

---

Time found (or discovered at location): _____

Boxes How many? 1

Documents How many? 0

TRACKING # or DESCRIPTION of PKG	ORIG	DEST
5829 7117 8608		QWICQ

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 2735 9147 4778

X0 DTHA

92780
CA-US
SNA

66494 27May 13:31 AFWH 577C5/1BD6/C0B8

mpany:	CALSCIENCE ENVIRONMENTAL LAB
	2841 DOW AVE STE 100
Address:	
	TUSTIN
nce:	CA
	92780
rritory:	US - UNITED STATES
one:	8052589970

Recipient Company:	EUROFINS CALSCIENCE
Name:	EUROFINS CALSCIENCE
Address:	2841 DOW AVE
Additional Address:	STE 100
City:	TUSTIN
State/Province:	CA
Postal:	92780
Country/Territory:	US - UNITED STATES
Recipient Phone:	7148955494

: TRACKING NUMBER: 273591474778

FedEx Express

SDR

151966 10/04 MWI

FedEx® Saturday Delivery

Shipment Inquiry

ompany:	CALSCIENCE ENVIRONMENTAL LAB	Recipient Company:	EUROFINS CALSCIENCE
		Name:	EUROFINS CALSCIENCE
Address:	2841 DOW AVE STE 100	Address:	2841 DOW AVE
		Additional Address:	STE 100
vince:	TUSTIN	City:	TUSTIN
	CA	State/Province:	CA
erritory:	92780	Postal:	92780
hone:	US - UNITED STATES	Country/Territory:	US - UNITED STATES
	8052589970	Recipient Phone:	7148955494

E TRACKING NUMBER: 273591474756

SATURDAY 12:00P
PRIORITY OVERNIGHT

TRK# 0201 2735 9147 4756

SDR

X0 DTHA

92780
CA-US
SNA

Saturday Delivery

151966 10/04 MWT

66494 27May 13:34 AFWH 577C5/1BD6/C0B8

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

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: 570-172174.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Cecile.deGuia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 1 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Oregon		Job #: 570-97823-1
Address: 2425 New Holland Pike, ,	Due Date Requested: 6/8/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, 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)	2320B/ Total Alkalinity	Total Number of containers	Special Instructions/Note:
		Preservation Code:							
MW30 (570-97823-1)	5/24/22	12:45 Mountain		Water			X	1	
MW29 (570-97823-2)	5/24/22	14:00 Mountain		Water			X	1	
MW28 (570-97823-3)	5/25/22	08:40 Mountain		Water			X	1	
MW27 (570-97823-4)	5/25/22	09:20 Mountain		Water			X	1	
MW32 (570-97823-5)	5/25/22	10:10 Mountain		Water			X	1	
MW31 (570-97823-6)	5/25/22	11:50 Mountain		Water			X	1	
MW11 (570-97823-7)	5/25/22	12:25 Mountain		Water			X	1	
MW22 (570-97823-8)	5/25/22	13:45 Mountain		Water			X	1	
MW17 (570-97823-9)	5/25/22	14:45 Mountain		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience 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 Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Calscience.

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6/2/22 1500				
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	6/3/22 1100	ELLET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 2.7

Ver: 06/08/2021

Eurofins Calscience
2841 Dow Avenue, Suite 100
Tustin, CA 92780
Phone: 714-895-5494

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: 570-172174.2
Client Contact: Shipping/Receiving	Phone:	E-Mail: Cecile.deGuia@et.eurofinsus.com	State of Origin: New Mexico	Page: Page 2 of 2
Company: Eurofins Lancaster Laboratories Environm		Accreditations Required (See note): NELAP - Oregon		Job #: 570-97823-1
Address: 2425 New Holland Pike,	Due Date Requested: 6/8/2022			
City: Lancaster	TAT Requested (days):			
State, Zip: PA, 17601				
Phone: 717-656-2300(Tel)	PO #:			
Email:	WO #:			
Project Name: ExxonMobil Gladiola Station/3612	Project #: 57002514			
Site:	SSOW#:			

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

Analysis Requested

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)	2320B/ Total Alkalinity	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
MW3 (570-97823-10)	5/26/22	09:00 Mountain		Water			X	1	
MW6 (570-97823-11)	5/26/22	09:45 Mountain		Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Calscience 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 Calscience laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Calscience attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins Calscience.

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:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 6/3/22 1500	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 6/3/22 1100	Company EUT

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.7

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: Cardno, Inc

Job Number: 570-97823-1

Login Number: 97823
List Number: 1
Creator: Patel, Jayesh

List Source: Eurofins Calscience

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
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: 570-97823-1

Login Number: 97823
List Number: 2
Creator: Cruise, Noel

List Source: Eurofins Calscience

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

Login Sample Receipt Checklist

Client: Cardno, Inc Job Number: 570-97823-1

Login Number: 97823 **List Source: Eurofins Lancaster Laboratories Environment Testing, LLC**
List Number: 3 **List Creation: 06/03/22 02:30 PM**
Creator: Hartlove, Katie M

Question	Answer	Comment
The cooler's custody seal is 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 (</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV: Container Temperature is acceptable (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	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	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
Sample custody seals are intact.	N/A	

APPENDIX C

Recycling Documentation

ALAMO 1

BILL OF LADING

AR22-00413

GENERATOR

GENERATING NAME AND ADDRESS:
ExxonMobil Pipeline Company LLC c/o Cardno
4572 Telephone Road, #916
Ventura, CA 93003
PHONE NO: 805-644-4157

GENERATING LOCATION/ADDRESS:
ExxonMobil Pipeline Company-Gladiola Station
Copeland Rd., 3 miles N of the Intersection of Copeland Rd & Hwy 39
Tatum, NM 88267
PHONE NO: 805-644-4157

GENERATOR'S US EPA ID NO: NA

STATE GENERATOR'S ID: NA

DESCRIPTION OF WASTE	WASTE CODE	QUANTITY	UNITS	CONTAINERS NO.	CONTAINERS TYPE
LNAPL/Purge Water for Recycle (Non-DOT, Non-RCRA Regulated)	NA	60	G	2	D

TYPE: D - DRUM, C. CARTON, B - BAG, T - TRUCK, P - POUNDS, Y - YARDS, O - OTHER

GENERATOR AUTHORIZED AGENT NAME: Mark Lash on behalf of ExxonMobil Pipeline

SIGNATURE: Mark A. Lash

SHIPMENT DATE: 7/6/22

TRANSPORTER

TRUCK NO: 35034

PHONE NO: 210-404-1220

TRANSPORTER NAME: Alamo 1

DRIVER NAME (PRINT): Shannon Bailey

ADDRESS: 2900 Nacogdoches Road
San Antonio, TX 78217

VEHICLE LICENSE NO./STATE: PFF 4167

VEHICLE CERTIFICATION:

US EPA ID NO: TXR000085052

STATE TRANSPORTER'S ID: 97487

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

DRIVER SIGNATURE:

SHIPMENT DATE: 7-6-22

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

DRIVER SIGNATURE:

SHIPMENT DATE: 07-29-22

DESTINATION

SITE NAME: Alamo Petroleum Exchange

PHONE NO: 210-404-1220

ADDRESS: 17730 State Hwy 16 S San Antonio, TX 78264

US EPA ID NO: TXD987991866

STATE FACILITIES ID: 41654

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

NAME OF AUTHORIZED AGENT: Kim Chastain

SIGNATURE: Kim Chastain

RECEIPT DATE: 7/29/22

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 409552

CONDITIONS

Operator: EXXON MOBIL CORPORATION P.O. Box 4358 Houston, TX 77210	OGRID: 7673
	Action Number: 409552
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	First Half of 2022 Groundwater Monitoring Report accepted for the record, Gladiola Centurion Station. App ID 409552	12/11/2024