REVIEWED
By Mike Buchanan at 2:38 pm, Apr 23, 2025

Review of the 2024 Annual Groundwater Monitoring Report for Lordsburg Compressor Station: content satisfactory
1. Continue to conduct groundwater sampling through the first quarter of 2025 as prescribed.
2. Continue as planned--and scheduled-- to sample for chromium in groundwater at the site.
3. Submit the abatement termination report--if achievable--or submit the 2025 groundwater annual report to OCD by April 2025.

Stantec

2024 ANNUAL GROUNDWATER MONITORING REPORT – LORDSBURG COMPRESSOR STATION

Hidalgo County, New Mexico

NMOCD Incident No.
nAPP2217233972

Prepared for:

El Paso Natural Gas Company, LLC
1001 Louisiana Street
Houston, Texas 77002

Prepared by:

Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, IA 50322

March 2025

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Abbreviations

EPNG	El Paso Natural Gas Company, LLC
Eurofins	Eurofins Environment Testing Southwest, LLC
mg/L	milligrams per liter
NMOCD	New Mexico Oil Conservation Division
NMWQCC	New Mexico Water Quality Control Commission
Stantec	Stantec Consulting Services Inc.
USEPA	United States Environmental Protection Agency

1.0 INTRODUCTION

This 2024 Annual Groundwater Monitoring Report has been prepared on behalf El Paso Natural Gas Company (EPNG), a subsidiary of Kinder Morgan, Inc., by Stantec Consulting Services Inc. (Stantec). This report summarizes quarterly groundwater sampling activities completed at the Lordsburg Compressor Station, located in Hidalgo County, New Mexico (site; Figure 1), in 2024. Quarterly groundwater sampling activities were completed on behalf of EPNG by Stantec. During each sampling event, groundwater samples were collected from the site water supply well EPWW1 (New Mexico well record #69807) and analyzed for dissolved chromium.

2.0 SITE BACKGROUND

2.1 Site History

The Lordsburg Compressor Station began operation in 1952. Water supply wells EPWW1 and EPWW2 were constructed in 1951. Chromate (a corrosion inhibitor) was reportedly used at the site until the mid-1970's, and chromate-bearing solutions were discharged to unlined ponds on the east side of the site. The ponds were closed in 1993. EPNG conducted a screening investigation for chromium in soil and groundwater at the site in 2006 (Figure 2). Production well EPWW1 was subsequently sampled; production well EPWW2 had collapsed and was not available for sampling (LFR, Inc., 2007). In 2009, EPNG sampled groundwater from six private wells west of the site, and one stock well located approximately one mile east-southeast of the site (URS Corporation, 2010). Based on the sampling results, a report of a release was submitted to the New Mexico Oil Conservation Division (NMOCD) on January 15, 2010 (EPNG, 2010).

Following the 2009 investigation, EPNG began annual groundwater sampling of well EPWW1, and the off-site stock well and a stock tank located on private property approximately one mile east-southeast from the site. The stock well was last sampled in 2013, as the windmill that powered the well pump was found to be inoperable after that time. During the period from 2009 to 2013, concentrations of dissolved chromium ranged from less than the laboratory reporting limit of 0.005 milligrams per liter (mg/L) to 0.062 mg/L in samples collected from the stock well. Quarterly groundwater sampling of EPWW1 was initiated in 2019 (AECOM, 2022). Historical dissolved chromium results of groundwater sampled from production well EPWW1 and the stock well are summarized on Table 1.

A conceptual site model was prepared by Stantec and included in the 2023 Annual Report for the site (Stantec, 2024). Based on a review of local and regional information, it was determined groundwater flow in the vicinity of the site is to the west, indicating the stock well is located hydraulically upgradient of the site and unlikely to be impacted by a release from the site. Furthermore, it was concluded the chromium detected in the stock well was naturally occurring, as chromium may be leached into groundwater from mafic-derived clay soils occurring in the area, with geochemical conditions made more favorable for leaching by geothermal and tectonic activities in the area.

2.2 Lordsburg Compressor Station Wells

The Lordsburg Compressor Station water supply well EPWW1 serves as the non-potable water supply well for the compressor station and is equipped with an electric submersible pump that pumps at a rate of approximately 50 gallons per minute. Due to issues with the existing pump, the submersible pump in EPWW1 was replaced on August 21, 2024, and set at same depth of 273 feet. Information regarding the replacement pump provided to EPNG by the well contractor is included as Appendix A.

Pumped water is discharged to the station water storage tank located west of EPWW1 and is used for site operations. Records indicate the well screen interval for EPWW1 is from 195 to 440 feet below ground surface (bgs) and starts approximately 100 feet below the estimated groundwater level. Production well EPWW2 is not in use.

Historical logs for EPWW1 and EPWW2 indicate water-bearing units, consisting of sand and gravel, were encountered beginning at depths of 220 feet and 200 feet bgs. Overlying soils consist of clay, sand, and gravel. Initial water levels in EPWW1 and EPWW2 from unknown dates were noted to be 115 and 82 feet bgs, respectively.

3.0 SAMPLING ACTIVITIES

3.1 Field Activities

Stantec provided field work notifications of quarterly sampling events via e-mail to the NMOCD as summarized in Appendix B. Quarterly groundwater sampling activities were performed on March 12, May 29, September 10, and December 10, 2024.

Prior to groundwater sampling, Stantec inspected EPWW1 and visited with facility personnel to confirm EPWW1 was not in operation and adequate storage of purged groundwater was available. Stantec also gauged EPWW1 with an electronic water level meter through a 1.5-inch sample port prior to purging during the March, June, September, and December 2024 sampling events. Following set-up of the sampling equipment, Stantec completed stabilization monitoring every three to five minutes upon initiation of purging EPWW1, pursuant to United States Environmental Protection Agency (USEPA) protocols. Purged water was pumped into the storage tank on site for facility use. Field parameters of temperature, specific conductance, pH, and oxidation-reduction potential were monitored via calibrated flow cell during pumping until stabilization was observed over three readings. Upon stabilization, a groundwater sample was collected after passing the sample through a 0.45-micron filter.

Groundwater samples were placed into laboratory-supplied sample containers, packed on ice in an insulated cooler, and transported under standard chain-of-custody protocols to Eurofins Environment Testing Southwest, LLC (Eurofins), in Phoenix, Arizona. A field duplicate sample was also collected with each primary sample from EPWW1. The primary and field duplicate samples were analyzed for dissolved chromium using USEPA Method 200.8. Sample results are summarized in Table 1. The laboratory reports are

attached as Appendix C. Groundwater sample sheets or notes completed during sampling activities are included as Appendix D.

3.2 Quality Assurance/Quality Control Results

Data validation activities and results are documented in the Quality Control Summary Report provided in Appendix E. Based on a review of the data, no data was excluded.

4.0 RESULTS AND DISCUSSION

4.1 Gauging Data

When gauged during the groundwater sampling events, the depth to groundwater from the top of the access pipe ranged from 92.41 feet (March 2024) to 96.06 feet (September 2024). The water level data collected at the site is summarized on Table 1.

4.2 Groundwater Sample Results

New Mexico has established a standard for maximum allowable concentration of dissolved chromium in groundwater of 0.05 mg/L (New Mexico Administrative Code 20.6.2.3103). It has been reported a site-specific action level for dissolved chromium of 0.055 mg/L has been established for the Lordsburg Compressor Station by New Mexico regulators, although documentation of the site-specific standard is not available.

Dissolved chromium concentrations in quarterly groundwater samples collected from EPWW1 in 2024 ranged from 0.034 mg/L to 0.041 mg/L in the primary samples and 0.033 mg/L to 0.042 mg/L in the duplicate samples. The concentration of dissolved chromium detected in the samples collected from EPWW1 in 2024 were less than the New Mexico Water Quality Control Commission (NMWQCC) standard for chromium.

5.0 RECOMMENDATIONS

The groundwater sampling results from the March, May, September, and December 2024 sampling events indicate EPWW1 concentrations are below applicable NMWQCC standards for dissolved chromium. Concentrations for dissolved chromium have been reported below the applicable NMWQCC standard since June 2023. Therefore, groundwater monitoring events will continue through at least the first calendar quarter of 2025 to move the Site towards regulatory closure.

The activities conducted in 2025, and their analytical results, will be summarized in the 2025 Annual Report, to be submitted by April 1, 2026. If groundwater concentrations in EPWW1 remain below applicable NMWQCC standard for dissolved chromium through the first calendar quarter of 2025, a petition for site closure may be made following this event.

REFERENCES

AECOM Technical Services Inc., 2022. *2021 Quarterly Groundwater Sampling Results, Lordsburg Compressor Station, Lordsburg, New Mexico*. Prepared for El Paso Natural Gas Company (EPNG). February 2, 2022.

EPNG, 2010. *Release Notification For El Paso Natural Gas Lordsburg Compressor Station, Lordsburg, New Mexico*. Submitted to Mr. Glen von Gotten, New Mexico Oil Conservation Division. January 15, 2010.

LFR, Inc., 2007. *Initial Site Screening Report, Lordsburg Compressor Station, Township-23-S, Range-17-W, Southeast 4 Section 8.* Prepared for El Paso Pipeline Group Attorney. February 23, 2007.

Stantec, 2024. *2023 Annual Report, Lordsburg Compressor Station, Hidalgo County, New Mexico.* Prepared for El Paso Natural Gas Company. April 2024.

URS Corporation, 2010. *12/2009 and 2/2010 Sampling Events, Lordsburg Compressor Station, Lordsburg, New Mexico.* Prepared for El Paso Natural Gas Company. March 16, 2010.

TABLES

TABLE 1 – DISSOLVED CHROMIUM RESULTS

Table 1.
Summary of Dissolved Chromium Results for Groundwater Samples
Lordsburg Compressor Station
El Paso Natural Gas Company

Groundwater Samples					Depth to	Primary Sample	Field Duplicate
Description	Well ID	Sample ID	Lab ID	Sample Date	Water	Dissolved[1] Chromium mg/L	
Windmill	70331	L6543-STA-02-70331-120209	09120087-01	12/2/2009	NG	**0.0549**	NC
Windmill	70331	L6543-STA-02-70331-021010	10020401-02	2/10/2010	NG	0.0202	0.0205
Windmill	70331	04114NM-04-70331-030211	11030077-02	3/2/2011	NG	0.006	0.0078
Windmill	70331	04114NM-05-70331-030112	TC-2033-2	3/1/2012	NG	**0.0612**	**0.0605**
Windmill	70331	04114NM-06-70331-031313	TC26940-2	3/13/2013	NG	**0.062**	**0.0612**
Windmill	70331Pond	L6543-STA-02-70331-POND-021010	10020401-04	2/10/2010	NG	0.005	NC
EPNG Well	EPWW1	L6543-STA-02-EPWW1-120309	09120150-03	12/3/2009	NG	0.0500	0.0489
EPNG Well	EPWW1	L6543-STA-02-EPWW1-021010	10020401-01	2/10/2010	NG	0.0459	NC
EPNG Well	EPWW1	04114NM-04-EPWW1-030211	11030077-01	3/2/2011	NG	**0.0503**	NC
EPNG Well	EPWW1	04114NM-05-EPWW1-030112	TC-2033-1	3/1/2012	NG	0.0481	NC
EPNG Well	EPWW1	04114NM-06-EPWW1-031313	TC26940-1	3/13/2013	NG	**0.0554**	NC
EPNG Well	EPWW1	04114NM-07-EPWW1-04 14	TC-45930-1	4/1/2014	91.40	**0.0545**	**0.0548**
EPNG Well	EPWW1	04114NM-08-EPWW1-040915	TC-65279-1	4/9/2015	92.44	**0.0525**	**0.0521**
EPNG Well	EPWW1	EPWW-1	550-64294-2	6/2/2016	NG	0.050	**0.051**
EPNG Well	EPWW1	EPWW-1	550-84722-2	6/20/2017	NG	0.050	0.049
EPNG Well	EPWW1	EPWW-1	550-101393-5	4/17/2018	NG	0.048	0.049
EPNG Well	EPWW1	EPWW-1-022119	550-118406-1	2/21/2019	NG	**0.053**	NC
EPNG Well	EPWW1	EPWW-1-05-14-2019	550-122908-1	5/14/2019	NG	**0.052**	NC
EPNG Well	EPWW1	EPWW-1-081319	550-127927-1	8/13/2019	NG	**0.053**	NC
EPNG Well	EPWW1	EPWW-1-110719	550-133016-1	11/7/2019	NG	**0.052**	NC
EPNG Well	EPWW1	EPWW-1-021920	550-138265-1	2/19/2020	NG	0.05	NC
EPNG Well	EPWW1	EPWW-1-06192020	550-143737-1	6/19/2020	NG	0.045	NC
EPNG Well	EPWW1	EPWW-1-08192020	550-147678-1	8/19/2020	NG	**0.056**	NC
EPNG Well	EPWW1	EPWW-1	550-154995-1	12/11/2020	NG	**0.053**	NC
EPNG Well	EPWW1	EPWW1-03-23-21	550-160580-1	3/23/2021	NG	**0.055**	NC
EPNG Well	EPWW1	EPWW1-060421	550-165277-1	6/4/2021	NG	**0.056**	NC
EPNG Well	EPWW1	EPWW1-08-25-21	550-169691-1	8/25/2021	NG	**0.054**	NC
EPNG Well	EPWW1	EPWW1	550-175978-1	12/15/2021	NG	**0.055**	NC
EPNG Well	EPWW1	EPWW1	550-181650-1	3/24/2022	NG	0.048	NC
EPNG Well	EPWW1	EPWW1-06-07-2022	550-185425-1	6/7/2022	NG	0.045	NC
EPNG Well	EPWW1	WW#1	550-191112-1	9/27/2022	NG	0.040	0.039
EPNG Well	EPWW1	WW#1	550-194904-1	12/13/2022	92.16	0.040	0.040
EPNG Well	EPWW1	WW#1	550-199844-1	3/29/2023	92.31	**0.052**	**0.054**
EPNG Well	EPWW1	WW#1	550-203451-1	6/13/2023	93.84	0.047	0.045
EPNG Well	EPWW1	WW#1	550-207354-1	9/6/2023	NG	0.042	0.042
EPNG Well	EPWW1	WW#1	550-211659-1	12/12/2023	92.67	0.041	0.042
EPNG Well	EPWW1	WW#1	550-215497-1	3/12/2024	92.41	0.036	0.038
EPNG Well	EPWW1	WW#1	550-219005-1	5/29/2024	92.59	0.041	0.042
EPNG Well	EPWW1	WW#1	550-223300-1	9/10/2024	96.06	0.034	0.033
EPNG Well	EPWW1	WW#1	550-226754-1	12/10/2024	92.52	0.036	0.036

Notes:

[1] Sample filtered using 0.045 micro filter

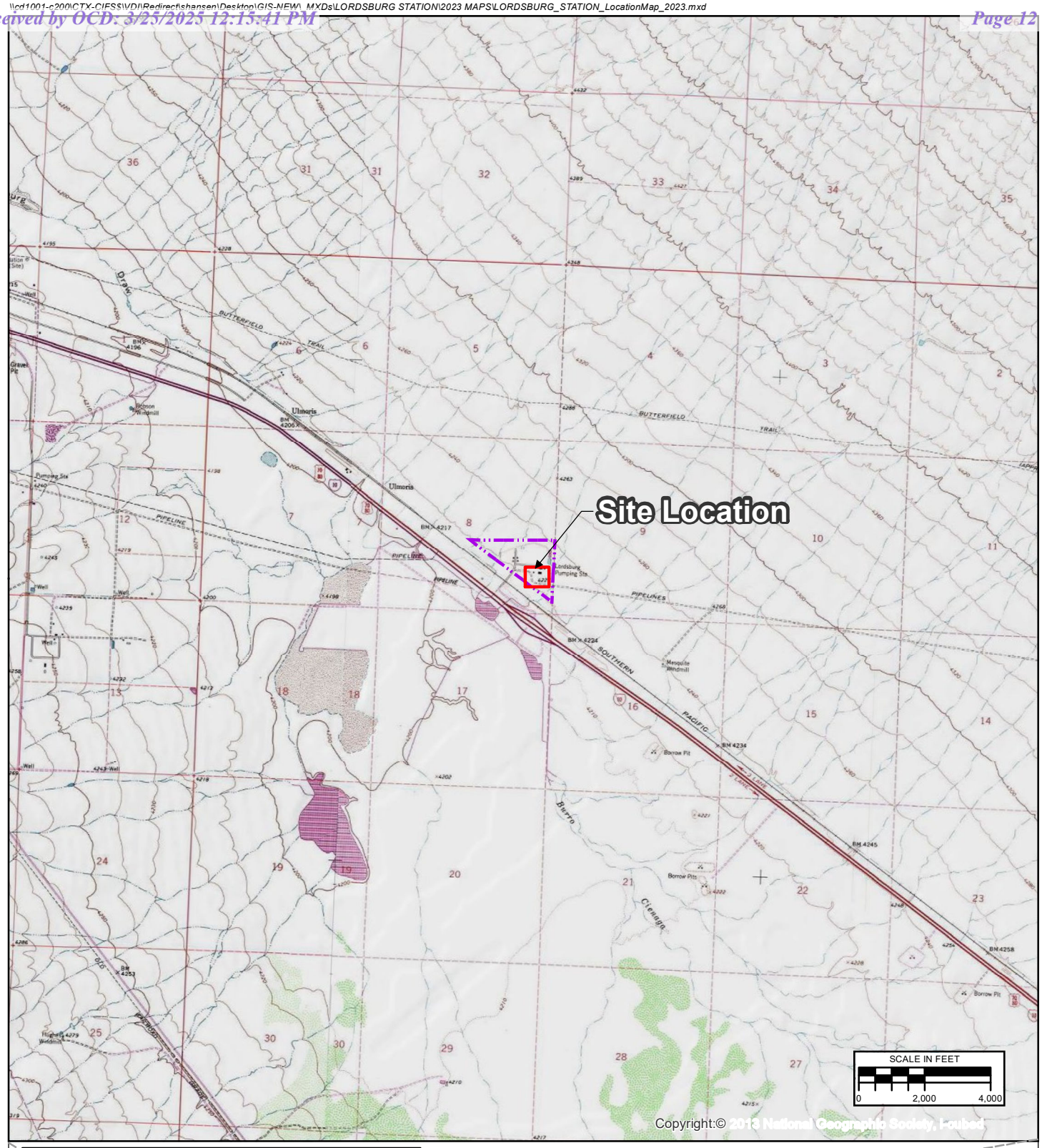
NG = Not Gauged

NC = Not Collected

mg/L - milligrams per liter

BOLD = exceeds the applicable New Mexico Water Quality Control Comission standard of 0.050 mg/L dissolved chromium

FIGURES



LEGEND:

SITE PROPERTY BOUNDARY
(As depicted on acrevalue.com)

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
	2023-02-21	SAH	SAH	SRV

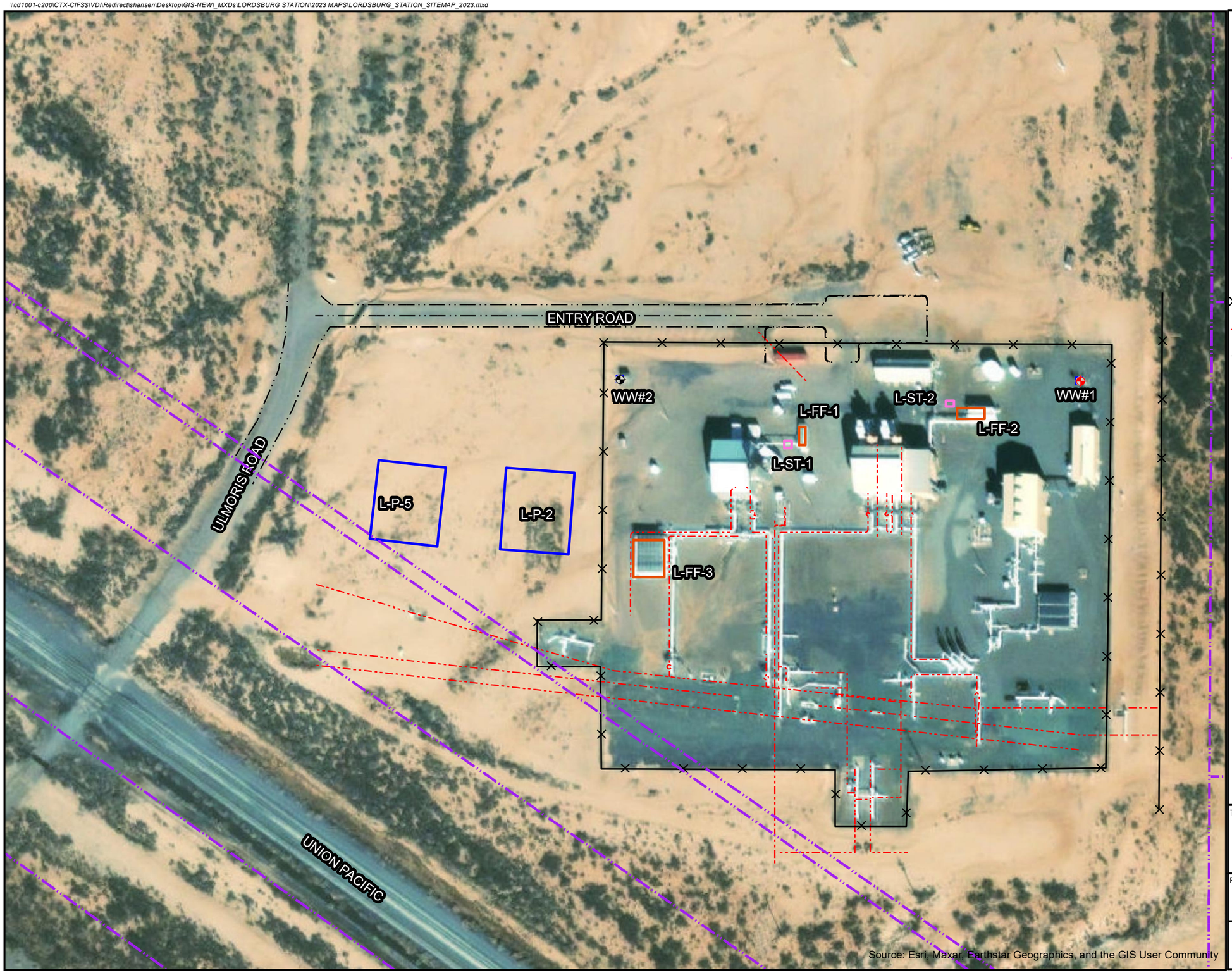
TITLE: **SITE LOCATION**

Stantec

PROJECT: **LORDSBURG STATION**
LORDSBURG VALLEY BASIN
HIDALGO COUNTY, NEW MEXICO

FIGURE: **1**

\\cd1001-c200\CTX-CIFSS\VDI\Redirect\shansen\Desktop\GIS-NEW_MXDs\LORDSBURG STATION\2023 MAPS\LORDSBURG_STATION_SITEMAP_2023.mxd



LEGEND:

- PRODUCTION WELL
- INOPERABLE/DAMAGED PRODUCTION WELL
- SURGE TANK (INVESTIGATED IN 2006)
- FIN-FAN (INVESTIGATED 2006)
- FORMER UNLINED POND (INVESTIGATED IN 2006)
- PROPERTY BOUNDARY (As depicted on acrevalue.com)
- FENCE
- LOCATION OF PIPELINE
- ENTRY ROAD

N

SCALE IN FEET

0 100 200

REVISION	DATE	DESIGN BY	DRAWN BY	REVIEWED BY
A	2023-02-21	SAH	SAH	SV

TITLE:

SITE PLAN

PROJECT:

LORDSBURG STATION
LORDSBURG VALLEY BASIN
HIDALGO COUNTY, NEW MEXICO

Stantec

Figure No.: **2**

APPENDICES

APPENDIX A

EPWW1 Pump Replacement Documentation

D & J Pump and Well Service LLC
PO BOX 1572
DEMING, NM 88031
(575) 546-7221
dj.well@hotmail.com

INVOICE

BILL TO
CEDRIC JASSO
KINDER MORGAN
1900 DEMING STATION RD
SW
DEMING NM 88030

INVOICE # 5510A
DATE 08/21/2024
DUE DATE 09/20/2024
TERMS Net 30

P.O. NUMBER
MM 29 NEAR LORDSBURG

SALES REP
JD / ABEL

DATE	ACTIVITY	DESCRIPTION	QTY	RATE	AMOUNT
08/15/2024	**SERVICE CALL 30 + MILES FROM OFFICE**	OUT OF TOWN SERVICE CALL	1	250.00	250.00T
08/16/2024	**PULL PUMP**	PULL PUMP OUT	1	600.00	600.00T
08/21/2024	**SET/LOWERING OF PUMP**	SET PUMP	1	600.00	600.00T
08/21/2024	**5 HP PUMP END - 35 GPM - 15 STAGE**	GF35S50-15-4 GRUNDFOS PE	1	2,250.00	2,250.00T
08/21/2024	**5 HP MOTOR - 3 PH**	GRUNDFOS MOTOR 460 V 3W. 3 PH (GM5043)	1	2,188.75	2,188.75T
08/21/2024	**10/4 12/4 14/4 W/G Splice Kit Heat Shrink**	10/4 12/4 14/4 W/G Splice Kit Heat Shrink	3	15.00	45.00T
08/21/2024	**1-1/2X6 GALV NIPPLE**		1	14.50	14.50T
08/21/2024	**2X1-1/2 GALV COUPLING**		1	16.00	16.00T

8/15 - CHECKED PUMP - WAS RUNNING WITH NO WATER COMING OUT
GOING BACK LATER TO PULL PUMP AND CHECK DROP PIPE FOR CRACKS OR HOLES.
PUMP IS MORE THAN 17 YEARS OLD - 480 V - 3 PH

8/16 - PULLED PUMP OUT - SHAFT IN PUMP END WAS BROKEN

8/21 - INSTALLED NEW PUMP AND MOTOR
SET PUMP BACK INTO WELL
RAN PUMP - SYSTEM GOOD

WATER LEVEL - 97 FT
PUMP SET AT - 273 FT
WELL DEPTH - 414 FT

APPENDIX B

NMOCD Site Activity Notifications

From: Varsa, Steve
To: nelson.valez@state.nm.us
Cc: Bratcher, Mike, EMNRD; Stavinoha, Doug
Subject: Lordsburg Station - notice of upcoming groundwater sampling (nAPP2217233972)
Date: Thursday, March 7, 2024 7:06:30 AM

Hi Nelson –

On behalf of El Paso Natural Gas Company (EPNG), Stantec is providing notice of groundwater sampling activities planned to occur at the subject location on March 12, 2024. Please contact Doug Stavinoha, project manager with EPNG, at 713-420-5150, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Wells, Shelly, EMNRD
To: Varsa, Steve
Cc: Stavinoha, Doug; Buchanan, Michael, EMNRD; Bratcher, Michael, EMNRD
Subject: RE: [EXTERNAL] Lordsburg Station - notice of upcoming groundwater sampling (nAPP2217233972)
Date: Wednesday, May 8, 2024 11:29:50 AM

Good morning Steve,

The OCD has received your notice. Just verifying that you meant May 29, 2024. I have cc'ed Michael Buchanan on this email as he will review the data you submit after conducting sampling.

Kind regards,

Shelly

Shelly Wells * Environmental Specialist-Advanced
Environmental Bureau
EMNRD-Oil Conservation Division
1220 S. St. Francis Drive|Santa Fe, NM 87505
(505)469-7520|Shelly.Wells@emnrd.nm.gov
http://www.emnrd.state.nm.us/OCD/

From: Varsa, Steve <steve.varsa@stantec.com>
Sent: Tuesday, May 7, 2024 7:53 PM
To: Enviro, OCD, EMNRD <OCD.Enviro@emnrd.nm.gov>
Cc: Stavinoha, Doug <Doug_Stavinoha@kindermorgan.com>
Subject: [EXTERNAL] Lordsburg Station - notice of upcoming groundwater sampling (nAPP2217233972)

On behalf of El Paso Natural Gas Company (EPNG), Stantec is providing notice of groundwater sampling activities planned to occur at the subject location on May 29, 2023. Please contact Doug Stavinoha, project manager with EPNG, at 713-420-5150, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322

From: Varsa, Steve
To: OCD.ENVIRO@EMNRD.NM.GOV
Cc: Stavinoha, Doug
Subject: FW: Lordsburg Station - notice of upcoming groundwater sampling (nAPP2217233972)
Date: Monday, August 26, 2024 7:04:57 PM

On behalf of El Paso Natural Gas Company (EPNG), Stantec is providing notice of groundwater sampling activities planned to occur at the subject location on Tuesday, September 10, 2024. Please contact Doug Stavinoha, project manager with EPNG, at 713-420-5150, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

From: Varsa, Steve
To: OCD.ENVIRO@EMNRD.NM.GOV
Cc: Stavinoha, Doug
Subject: Lordsburg Station - notice of upcoming groundwater sampling (nAPP2217233972)
Date: Wednesday, November 27, 2024 2:55:56 PM

On behalf of El Paso Natural Gas Company (EPNG), Stantec is providing notice of groundwater sampling activities planned to occur at the subject location on Tuesday, December 10, 2024. Please contact Doug Stavinoha, project manager with EPNG, at 713-420-5150, or me, if you need further information.

Thank you,
Steve

Stephen Varsa, P.G., R.G.
Principal Hydrogeologist
Stantec Environmental Services
11311 Aurora Avenue
Des Moines, Iowa 50322
Direct: (515) 251-1020
Cell: (515) 710-7523
Office: (515) 253-0830
steve.varsa@stantec.com

APPENDIX C

Laboratory Analytical Reports - Groundwater

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 3/18/2024 12:49:58 PM

JOB DESCRIPTION

Lordsburg Station, NM

JOB NUMBER

550-215497-1

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix AZ 85040

See page two for job notes and contact information.

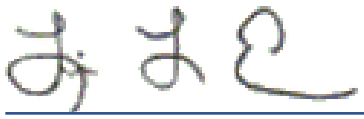
Eurofins Phoenix

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southwest, LLC Project Manager.

Authorization



Generated
3/18/2024 12:49:58 PM

Authorized for release by
Linda Eshelman, Project Manager II
linda.eshelman@et.eurofinsus.com
(602)659-7681

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station, NM

Laboratory Job ID: 550-215497-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services, Inc. Job ID: 550-215497-1
Project/Site: Lordsburg Station, NM

Qualifiers

Metals

Qualifier	Qualifier Description
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

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: Stantec Consulting Services, Inc. Job ID: 550-215497-1
Project: Lordsburg Station, NM

Job ID: 550-215497-1 Eurofins Phoenix

Job Narrative
550-215497-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 3/12/2024 3:30 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.4°C.

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

Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station, NM

Job ID: 550-215497-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-215497-1	WW#1	Water	03/12/24 10:20	03/12/24 15:30
550-215497-2	Dup-1	Water	03/12/24 00:00	03/12/24 15:30

Detection Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station, NM

Job ID: 550-215497-1

Client Sample ID: WW#1 — Lab Sample ID: 550-215497-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.036		0.0010	0.00043	mg/L	1		200.8 LL	Dissolved

Client Sample ID: Dup-1 — Lab Sample ID: 550-215497-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.038		0.0010	0.00043	mg/L	1		200.8 LL	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 550-215497-1
Project/Site: Lordsburg Station, NM

Client Sample ID: WW#1 Lab Sample ID: 550-215497-1

Date Collected: 03/12/24 10:20 **Matrix: Water**
Date Received: 03/12/24 15:30

Method: EPA 200.8 LL - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.036		0.0010	0.00043	mg/L		03/14/24 06:13	03/15/24 20:33	1

Client Sample ID: Dup-1 Lab Sample ID: 550-215497-2

Date Collected: 03/12/24 00:00 **Matrix: Water**
Date Received: 03/12/24 15:30

Method: EPA 200.8 LL - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.038		0.0010	0.00043	mg/L		03/14/24 06:13	03/15/24 20:35	1

QC Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 550-215497-1
Project/Site: Lordsburg Station, NM

Method: 200.8 LL - Metals (ICP/MS)

Lab Sample ID: MB 550-317428/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 317635 — **Prep Batch: 317428**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	E8	0.0010	0.00043	mg/L		03/14/24 06:13	03/15/24 20:15	1

Lab Sample ID: LCS 550-317428/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 317635 — **Prep Batch: 317428**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium			0.100	0.0959		mg/L		96	85 - 115		

Lab Sample ID: LCSD 550-317428/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 317635 — **Prep Batch: 317428**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			0.100	0.101		mg/L		101	85 - 115	5	20

Lab Sample ID: 550-215551-C-1-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 317635 — **Prep Batch: 317428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium	ND	E8	0.100	0.0938		mg/L		94	70 - 130		

Lab Sample ID: 550-215551-C-1-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 317635 — **Prep Batch: 317428**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	ND	E8	0.100	0.0954		mg/L		95	70 - 130	2	20

QC Association Summary

Client: Stantec Consulting Services, Inc. Job ID: 550-215497-1
Project/Site: Lordsburg Station, NM

Metals

Prep Batch: 317428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-215497-1	WW#1	Dissolved	Water	200.8	
550-215497-2	Dup-1	Dissolved	Water	200.8	
MB 550-317428/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-317428/2-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-317428/3-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-215551-C-1-A MS	Matrix Spike	Dissolved	Water	200.8	
550-215551-C-1-B MSD	Matrix Spike Duplicate	Dissolved	Water	200.8	

Analysis Batch: 317635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-215497-1	WW#1	Dissolved	Water	200.8 LL	317428
550-215497-2	Dup-1	Dissolved	Water	200.8 LL	317428
MB 550-317428/1-A	Method Blank	Total/NA	Water	200.8 LL	317428
LCS 550-317428/2-A	Lab Control Sample	Total/NA	Water	200.8 LL	317428
LCSD 550-317428/3-A	Lab Control Sample Dup	Total/NA	Water	200.8 LL	317428
550-215551-C-1-A MS	Matrix Spike	Dissolved	Water	200.8 LL	317428
550-215551-C-1-B MSD	Matrix Spike Duplicate	Dissolved	Water	200.8 LL	317428

Lab Chronicle

Client: Stantec Consulting Services, Inc. Job ID: 550-215497-1
Project/Site: Lordsburg Station, NM

Client Sample ID: WW#1 Lab Sample ID: 550-215497-1

Date Collected: 03/12/24 10:20 **Matrix: Water**
Date Received: 03/12/24 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.8			317428	SGO	EET PHX	03/14/24 06:13
Dissolved	Analysis	200.8 LL		1	317635	DSJ	EET PHX	03/15/24 20:33

Client Sample ID: Dup-1 Lab Sample ID: 550-215497-2

Date Collected: 03/12/24 00:00 **Matrix: Water**
Date Received: 03/12/24 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.8			317428	SGO	EET PHX	03/14/24 06:13
Dissolved	Analysis	200.8 LL		1	317635	DSJ	EET PHX	03/15/24 20:35

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.
Job ID: 550-215497-1
Project/Site: Lordsburg Station, NM

Laboratory: Eurofins Phoenix

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0728	06-10-24

Method Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station, NM

Job ID: 550-215497-1

Method	Method Description	Protocol	Laboratory
200.8 LL	Metals (ICP/MS)	EPA	EET PHX
200.8	Preparation, Total Metals	EPA	EET PHX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
phone 602.437.3340

Chain of Custody Record

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215497

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Eurofins Environment Testing America

Client Contact	Project Manager: STEVE VARGA	Site Contact:	Date: 3/12/24
Company Name: STANTEC Consulting Services	Email: Steve.VARGA@STANTEC.COM Tel/Fax:	Lab Contact:	Carrier:
Address: 11311 Aurora Ave	Analysis Turnaround Time		
City/State/Zip: Des Moines, IA 50322	☐ CALENDAR DAYS ☐ WORKING DAYS		
Phone: 515-710-7523	TAT if different from Below: STD. TAT		
FAX	☐ 2 weeks		
Project Name: Lordsburg STATION, NM	☐ 1 week		
Site:	☐ 2 days		
PO# 1057302	☐ 1 day		

COC No: 1 of 1 COCs
TALS Project #:
Sampler: Chuck Graves
For Lab Use Only:
Walk-in Client:
Lab Sampling:
Job / SDG No.:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	200.8 Dissolved Chromium		Sample Specific Notes:
WW#1	3/12/24	10:20	G	W	1	Y	N	X	-01	
Dup-1	3/12/24	—	G	W	1	Y	N	X	-02	

550-215497 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

3.4°C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: Stantec	Date/Time: 3/12/24 1530	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: EETA PH	Date/Time: 3/12/24 15:30

CDO

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc. Job Number: 550-215497-1

Login Number: 215497 **List Source: Eurofins Phoenix**
List Number: 1
Creator: Gravlin, Andrea

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	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	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 5/31/2024 5:17:55 PM

JOB DESCRIPTION

Kinder Morgan

JOB NUMBER

550-219005-1

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix AZ 85040

See page two for job notes and contact information.

my EOL

Eurofins Phoenix

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southwest, LLC Project Manager.

Authorization

Generated
5/31/2024 5:17:55 PM

Authorized for release by
Rachel Sester, Project Manager I
Rachel.Sester@et.eurofinsus.com
Designee for
Linda Eshelman, Project Manager II
linda.eshelman@et.eurofinsus.com
(602)659-7681

Client: Stantec Consulting Services, Inc.
Project/Site: Kinder Morgan

Laboratory Job ID: 550-219005-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services, Inc. Job ID: 550-219005-1
Project/Site: Kinder Morgan

Qualifiers

Metals

Qualifier	Qualifier Description
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

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: Stantec Consulting Services, Inc. Job ID: 550-219005-1
Project: Kinder Morgan

Job ID: 550-219005-1 Eurofins Phoenix

Job Narrative
550-219005-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers are applied to indicate exceptions. Noncompliant quality control (QC) is further explained in narrative comments.

- Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 5/29/2024 3:13 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.5°C.

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

Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Kinder Morgan

Job ID: 550-219005-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-219005-1	WW #1	Water	05/29/24 10:20	05/29/24 15:13
550-219005-2	DUP-1	Water	05/29/24 01:00	05/29/24 15:13

Detection Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Kinder Morgan

Job ID: 550-219005-1

Client Sample ID: WW #1 — Lab Sample ID: 550-219005-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.041		0.0010	0.00043	mg/L	1		200.8 LL	Dissolved

Client Sample ID: DUP-1 — Lab Sample ID: 550-219005-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	0.042		0.0010	0.00043	mg/L	1		200.8 LL	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 550-219005-1
Project/Site: Kinder Morgan

Client Sample ID: WW #1 Lab Sample ID: 550-219005-1

Date Collected: 05/29/24 10:20 **Matrix: Water**
Date Received: 05/29/24 15:13

Method: EPA 200.8 LL - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.041		0.0010	0.00043	mg/L		05/30/24 05:09	05/31/24 13:34	1

Client Sample ID: DUP-1 Lab Sample ID: 550-219005-2

Date Collected: 05/29/24 01:00 **Matrix: Water**
Date Received: 05/29/24 15:13

Method: EPA 200.8 LL - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	0.042		0.0010	0.00043	mg/L		05/30/24 05:09	05/31/24 13:36	1

QC Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 550-219005-1
Project/Site: Kinder Morgan

Method: 200.8 LL - Metals (ICP/MS)

Lab Sample ID: MB 550-321668/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 321790 — **Prep Batch: 321668**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	E8	0.0010	0.00043	mg/L		05/30/24 05:09	05/31/24 12:27	1

Lab Sample ID: LCS 550-321668/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 321790 — **Prep Batch: 321668**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.100	0.0981		mg/L		98	85 - 115

Lab Sample ID: LCSD 550-321668/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 321790 — **Prep Batch: 321668**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.100	0.0973		mg/L		97	85 - 115	1	20

Lab Sample ID: 550-218976-D-2-A MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 321790 — **Prep Batch: 321668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chromium	0.014		0.100	0.139		mg/L		125	70 - 130

Lab Sample ID: 550-218976-D-2-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 321790 — **Prep Batch: 321668**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	0.014		0.100	0.141		mg/L		128	70 - 130	2	20

QC Association Summary

Client: Stantec Consulting Services, Inc. Job ID: 550-219005-1
Project/Site: Kinder Morgan

Metals

Prep Batch: 321668

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-219005-1	WW #1	Dissolved	Water	200.8	
550-219005-2	DUP-1	Dissolved	Water	200.8	
MB 550-321668/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-321668/2-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-321668/3-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-218976-D-2-A MS	Matrix Spike	Dissolved	Water	200.8	
550-218976-D-2-B MSD	Matrix Spike Duplicate	Dissolved	Water	200.8	

Analysis Batch: 321790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-219005-1	WW #1	Dissolved	Water	200.8 LL	321668
550-219005-2	DUP-1	Dissolved	Water	200.8 LL	321668
MB 550-321668/1-A	Method Blank	Total/NA	Water	200.8 LL	321668
LCS 550-321668/2-A	Lab Control Sample	Total/NA	Water	200.8 LL	321668
LCSD 550-321668/3-A	Lab Control Sample Dup	Total/NA	Water	200.8 LL	321668
550-218976-D-2-A MS	Matrix Spike	Dissolved	Water	200.8 LL	321668
550-218976-D-2-B MSD	Matrix Spike Duplicate	Dissolved	Water	200.8 LL	321668

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Kinder Morgan

Job ID: 550-219005-1

Client Sample ID: WW #1

Lab Sample ID: 550-219005-1
Matrix: Water
Date Collected: 05/29/24 10:20
Date Received: 05/29/24 15:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.8			321668	SGO	EET PHX	05/30/24 05:09
Dissolved	Analysis	200.8 LL		1	321790	DSJ	EET PHX	05/31/24 13:34

Client Sample ID: DUP-1

Lab Sample ID: 550-219005-2
Matrix: Water
Date Collected: 05/29/24 01:00
Date Received: 05/29/24 15:13

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.8			321668	SGO	EET PHX	05/30/24 05:09
Dissolved	Analysis	200.8 LL		1	321790	DSJ	EET PHX	05/31/24 13:36

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.
Job ID: 550-219005-1
Project/Site: Kinder Morgan

Laboratory: Eurofins Phoenix

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0728	06-09-24

Method Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Kinder Morgan

Job ID: 550-219005-1

Method	Method Description	Protocol	Laboratory
200.8 LL	Metals (ICP/MS)	EPA	EET PHX
200.8	Preparation, Total Metals	EPA	EET PHX

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

EET PHX = Eurofins Phoenix, 4625 East Cotton Center Boulevard, Suite #189, Phoenix, AZ 85040, TEL (602)437-3340

~~218968~~ MTS 5/29/24

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
phone 602.437.3340

Chain of Custody Record

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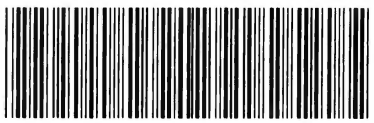
Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

219005

Eurofins Environment Testing America

Client Contact	Project Manager: Steve VARSA	Site Contact:	Date: 5/29/24	COC No:
Company Name STANTEC	Email: Steve.Varsa@STANTEC.com	Lab Contact:	Carrier:	1 of 1 COCs
Address 11311 Aurora Ave	Tel/Fax: 515-710-7523			TALS Project #:
City/State/Zip Des Moines, IA 50322	Analysis Turnaround Time			Sampler: Chuck graves
Phone 515-251-1020	☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only:
FAX	TAT if different from Below			Walk-in Client:
Project Name: KINDER MORGAN	☐ 2 weeks			Lab Sampling:
Site: Lordsburg Station	☐ 1 week STD			
PO# 1057302	☐ 2 days TAT			Job / SDG No.:
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Dissolved Chromium (EPA 200.8)				Sample Specific Notes:
MW#1	5/29/24	1020	G	W	1	Y	N	X			-01	
Dup-1	5/29/24	0100	G	W	1	Y	N	X			-02	



Preservation Used: 1=Ice, 2=HCl, 3=H2SO4, 4=HNO3, 5=NaOH, 6=Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☒Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:
MDL Cr <0.05 mg/L

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: STANTEC	Date/Time: 5/29/24 1513	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: EETA PHX	Date/Time: 5/29/24 1513

2.5°C-CDO-ice

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc. Job Number: 550-219005-1

Login Number: 219005 **List Source: Eurofins Phoenix**
List Number: 1
Creator: Gravlin, Andrea

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	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	

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 10/1/2024 12:31:19 PM

JOB DESCRIPTION

Lordsburg Station

JOB NUMBER

550-223300-1

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix AZ 85040

See page two for job notes and contact information.

my EOL

Eurofins Phoenix

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southwest, LLC Project Manager.

Authorization

Generated
10/1/2024 12:31:19 PM

Authorized for release by
Rebecca Reill, Project Manager I
Rebecca.Gentes@et.eurofinsus.com
(602)437-3340

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Laboratory Job ID: 550-223300-1

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services, Inc. Job ID: 550-223300-1
Project/Site: Lordsburg Station

Qualifiers

Metals

Qualifier	Qualifier Description
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

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: Stantec Consulting Services, Inc. Job ID: 550-223300-1
Project: Lordsburg Station

Job ID: 550-223300-1 Eurofins Phoenix

Job Narrative
550-223300-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 9/10/2024 2:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.9°C.

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

Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-223300-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-223300-1	WW #1	Water	09/10/24 10:20	09/10/24 14:20
550-223300-2	Dup-1	Water	09/10/24 01:00	09/10/24 14:20

Detection Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-223300-1

Client Sample ID: WW #1 — Lab Sample ID: 550-223300-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	34		2.0	0.14	ug/L	1		200.8	Total Recoverable

Client Sample ID: Dup-1 — Lab Sample ID: 550-223300-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	33		2.0	0.14	ug/L	1		200.8	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 550-223300-1
Project/Site: Lordsburg Station

Client Sample ID: WW #1 Lab Sample ID: 550-223300-1

Date Collected: 09/10/24 10:20 **Matrix: Water**
Date Received: 09/10/24 14:20

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	34		2.0	0.14	ug/L		09/30/24 06:55	09/30/24 15:36	1

Client Sample ID: Dup-1 Lab Sample ID: 550-223300-2

Date Collected: 09/10/24 01:00 **Matrix: Water**
Date Received: 09/10/24 14:20

Method: EPA 200.8 - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	33		2.0	0.14	ug/L		09/30/24 06:55	09/30/24 16:10	1

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-223300-1

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 570-486005/1-A
Matrix: Water
Analysis Batch: 486301

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	E8	2.0	0.14	ug/L		09/30/24 06:55	09/30/24 15:58	1

Lab Sample ID: LCS 570-486005/2-A
Matrix: Water
Analysis Batch: 486301

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium			80.0	85.8		ug/L		107	85 - 115		

Lab Sample ID: LCSD 570-486005/3-A
Matrix: Water
Analysis Batch: 486301

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			80.0	83.7		ug/L		105	85 - 115	3	20

Lab Sample ID: 550-223300-1 MS
Matrix: Water
Analysis Batch: 486301

Client Sample ID: WW #1
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium	34		80.0	117		ug/L		103	80 - 120		

Lab Sample ID: 550-223300-1 MSD
Matrix: Water
Analysis Batch: 486301

Client Sample ID: WW #1
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	34		80.0	123		ug/L		111	80 - 120	5	20

Lab Sample ID: 550-223300-2 MS
Matrix: Water
Analysis Batch: 486301

Client Sample ID: Dup-1
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium	33		80.0	119		ug/L		108	80 - 120		

Lab Sample ID: 550-223300-2 MSD
Matrix: Water
Analysis Batch: 486301

Client Sample ID: Dup-1
Prep Type: Total Recoverable
Prep Batch: 486005

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	33		80.0	115		ug/L		103	80 - 120	4	20

QC Association Summary

Client: Stantec Consulting Services, Inc. Job ID: 550-223300-1
Project/Site: Lordsburg Station

Metals

Prep Batch: 486005

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-223300-1	WW #1	Total Recoverable	Water	200.8	
550-223300-2	Dup-1	Total Recoverable	Water	200.8	
MB 570-486005/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 570-486005/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 570-486005/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
550-223300-1 MS	WW #1	Total Recoverable	Water	200.8	
550-223300-1 MSD	WW #1	Total Recoverable	Water	200.8	
550-223300-2 MS	Dup-1	Total Recoverable	Water	200.8	
550-223300-2 MSD	Dup-1	Total Recoverable	Water	200.8	

Analysis Batch: 486301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-223300-1	WW #1	Total Recoverable	Water	200.8	486005
550-223300-2	Dup-1	Total Recoverable	Water	200.8	486005
MB 570-486005/1-A	Method Blank	Total Recoverable	Water	200.8	486005
LCS 570-486005/2-A	Lab Control Sample	Total Recoverable	Water	200.8	486005
LCSD 570-486005/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	486005
550-223300-1 MS	WW #1	Total Recoverable	Water	200.8	486005
550-223300-1 MSD	WW #1	Total Recoverable	Water	200.8	486005
550-223300-2 MS	Dup-1	Total Recoverable	Water	200.8	486005
550-223300-2 MSD	Dup-1	Total Recoverable	Water	200.8	486005

Lab Chronicle

Client: Stantec Consulting Services, Inc. Job ID: 550-223300-1
Project/Site: Lordsburg Station

Client Sample ID: WW #1 Lab Sample ID: 550-223300-1
Date Collected: 09/10/24 10:20 **Matrix: Water**
Date Received: 09/10/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			486005	JP8N	EET CAL 4	09/30/24 06:55
Total Recoverable	Analysis	200.8		1	486301	P1R	EET CAL 4	09/30/24 15:36

Client Sample ID: Dup-1 Lab Sample ID: 550-223300-2
Date Collected: 09/10/24 01:00 **Matrix: Water**
Date Received: 09/10/24 14:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total Recoverable	Prep	200.8			486005	JP8N	EET CAL 4	09/30/24 06:55
Total Recoverable	Analysis	200.8		1	486301	P1R	EET CAL 4	09/30/24 16:10

Laboratory References:
EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.
Job ID: 550-223300-1
Project/Site: Lordsburg Station

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-24

Method Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-223300-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CAL 4
200.8	Preparation, Total Recoverable Metals	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
phone 602.437.3340

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other: 223300

Eurofins Environment Testing America

Client Contact	Project Manager: Steve VARSA		COC No:
Company Name StanTEC	Email: Steve.VARSA@STANTEC.com	Site Contact:	Date: 9/10/24
Address 11311 Aurora Ave	Tel/Fax: 515-710-7523	Lab Contact:	Carrier:
City/State/Zip Des Moines, IA 50322	Analysis Turnaround Time		TALS Project #:
Phone 515-710-7523	☐CALENDAR DAYS ☐WORKING DAYS		Sampler:
FAX	TAT if different from Below		For Lab Use Only:
Project Name: Lordsburg Station	☐ 2 weeks		Walk-in Client:
Site: Lordsburg, NM	☐ 1 week STD		Lab Sampling:
PO# 193710418 100.002	☐ 2 days TAT		Job / SDG No.:
	☐ 1 day		

1 of 1 COCs

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	300.0 Chromium													Sample Specific Notes:
WW#1	9/10/24	1020	G	W	1	Y	N	X												-01	
Dup-1	9/10/24	0100	G	W	1	Y	N	X												-02	

550-223300 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☒Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2 9°C/ICE/UPO

Custody Seals Intact: ☐Yes ☐No	Custody Seal No.:		Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: STANTEC	Date/Time: 9/10/24 1428	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: EETA PHX	Date/Time: 9/10/24 @ 1428

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
phone 602.437.3340

Chain of Custody Record

eurofins | Environment Testing America

Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

223300

Eurofins Environment Testing America

Client Contact	Project Manager: Steve Varsa	Site Contact:	Date: 9/10/24	COC No: 1 of 1 COCs
Company Name: StanTEC	Email: Steve.Varsa@stantec.com	Lab Contact:	Carrier:	TALS Project #:
Address: 11311 Aurora Ave	Tel/Fax: 515-710-7523			Sampler:
City/State/Zip: Des Moines, IA 50322	Analysis Turnaround Time: ☐CALENDAR DAYS ☐WORKING DAYS			For Lab Use Only: Walk-in Client: Lab Sampling:
Phone: 515-710-7523	TAT if different from Below: ☐2 weeks ☐1 week ☐2 days ☐1 day — STD TAT			
FAX				Job / SDG No.:
Project Name: Lordsburg Station				
Site: Lordsburg, NM				
PO# 193710418 100.002				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	300.0 Chromium														Sample Specific Notes:
WW#1	9/10/24	1020	G	W	1	Y	N	X													-01	
Dup-1	9/10/24	0100	G	W	1	Y	N	X													-02	

550-223300 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒Non-Hazard ☐Flammable ☐Skin Irritant ☐Poison B ☐Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐Return to Client ☒Disposal by Lab ☐Archive for _____ Months

Special Instructions/QC Requirements & Comments:

2 9°C/ICE/UPO

Custody Seals Intact: ☐Yes ☐No	Custody Seal No.:		Cooler Temp. (°C): Obs'd: _____ Corr'd: _____		Therm ID No.: _____
Relinquished by:	Company: StanTEC	Date/Time: 9/10/24 1428	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: EETA PHX	Date/Time: 9/10/24 @ 1428

Eurofins Phoenix
4625 East Cotton Center Boulevard Suite #189
Phoenix, AZ 85040
Phone: 602-437-3340

Chain of Custody Record

eurofins

Loc: 550
223300

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Reill, Rebecca G	Carrier Tracking No(s):	COC No: 550-40568.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: Rebecca.Gentes@et.eurofinsus.com	State of Origin: Arizona	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State - Alaska (UST); State - Arizona		Job #: 550-223300-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 10/2/2024			Preservation Codes: -
City: Tustin	TAT Requested (days):			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #:			
Email:	WO #:			
Project Name: Lordsburg Station	Project #: 55017982			
Site:	SSOW#:			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)	200.8/200.8_P_TR (MOD) Custom 200.8 Metals List	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WW #1 (550-223300-1)	9/10/24	10:20 Arizona	G	Water			X	1	
Dup-1 (550-223300-2)	9/10/24	01:00 Arizona	G	Water			X	1	

550-223300 Chain of Custody

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

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

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	9/26/24	EETA PHX	FedEx		
FedEx	15:00				
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				9/27/24 0930	EC
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
				/	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.9/2.7 5 c i 2

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc. Job Number: 550-223300-1

Login Number: 223300 **List Source: Eurofins Phoenix**
List Number: 1
Creator: Gravlin, Andrea

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	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: Stantec Consulting Services, Inc. Job Number: 550-223300-1

Login Number: 223300
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 09/27/24 03:38 PM

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	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

PREPARED FOR

Attn: Steve Varsa
Stantec Consulting Services, Inc.
11311 Aurora Avenue
Des Moines, Iowa 50322-7904

Generated 12/17/2024 9:18:39 AM

JOB DESCRIPTION

Lordsburg Station
Lordsbuig, Nm

JOB NUMBER

550-226754-1

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite #189
Phoenix AZ 85040

See page two for job notes and contact information.

Eurofins Phoenix

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Southwest, LLC Project Manager.

Authorization

Generated
12/17/2024 9:18:39 AM

Authorized for release by
Rebecca Reill, Project Manager I
Rebecca.Gentes@et.eurofinsus.com
(602)437-3340

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Laboratory Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Table of Contents

Definitions/Glossary

Client: Stantec Consulting Services, Inc. Job ID: 550-226754-1
Project/Site: Lordsburg Station SDG: Lordsbuig, Nm

Qualifiers

Metals

Qualifier	Qualifier Description
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

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: Stantec Consulting Services, Inc. Job ID: 550-226754-1
Project: Lordsburg Station

Job ID: 550-226754-1 Eurofins Phoenix

Job Narrative
550-226754-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt
The samples were received on 12/10/2024 3:02 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.1°C.

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

Sample Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-226754-1	WW# 1	Water	12/10/24 10:05	12/10/24 15:02
550-226754-2	Dup - 1	Water	12/10/24 10:05	12/10/24 15:02

Detection Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Client Sample ID: WW# 1 — Lab Sample ID: 550-226754-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	36		1.0	0.12	ug/L	1		200.8	Dissolved

Client Sample ID: Dup - 1 — Lab Sample ID: 550-226754-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	36		1.0	0.12	ug/L	1		200.8	Dissolved

This Detection Summary does not include radiochemical test results.

Eurofins Phoenix

Client Sample Results

Client: Stantec Consulting Services, Inc. Job ID: 550-226754-1
Project/Site: Lordsburg Station SDG: Lordsbuig, Nm

Client Sample ID: WW# 1 Lab Sample ID: 550-226754-1

Date Collected: 12/10/24 10:05 **Matrix: Water**
Date Received: 12/10/24 15:02

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	36		1.0	0.12	ug/L		12/16/24 06:00	12/16/24 12:42	1

Client Sample ID: Dup - 1 Lab Sample ID: 550-226754-2

Date Collected: 12/10/24 10:05 **Matrix: Water**
Date Received: 12/10/24 15:02

Method: EPA 200.8 - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	36		1.0	0.12	ug/L		12/16/24 06:00	12/16/24 12:46	1

QC Sample Results

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 570-514264/1-A
Matrix: Water
Analysis Batch: 514468

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 514264

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	ND	E8	1.0	0.12	ug/L		12/16/24 06:00	12/16/24 12:23	1

Lab Sample ID: LCS 570-514264/2-A
Matrix: Water
Analysis Batch: 514468

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 514264

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium			80.0	87.4		ug/L		109	85 - 115		

Lab Sample ID: LCSD 570-514264/3-A
Matrix: Water
Analysis Batch: 514468

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 514264

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium			80.0	87.7		ug/L		110	85 - 115	0	20

Lab Sample ID: 570-210602-B-1-B MS ^5
Matrix: Water
Analysis Batch: 514468

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 514264

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium	130		80.0	218		ug/L		105	80 - 120		

Lab Sample ID: 570-210602-B-1-C MSD ^5
Matrix: Water
Analysis Batch: 514468

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 514264

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium	130		80.0	214		ug/L		100	80 - 120	2	20

QC Association Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Metals

Prep Batch: 514264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-226754-1	WW# 1	Dissolved	Water	200.8	
550-226754-2	Dup - 1	Dissolved	Water	200.8	
MB 570-514264/1-A	Method Blank	Total Recoverable	Water	200.8	
LCS 570-514264/2-A	Lab Control Sample	Total Recoverable	Water	200.8	
LCSD 570-514264/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	
570-210602-B-1-B MS ^5	Matrix Spike	Total Recoverable	Water	200.8	
570-210602-B-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	200.8	

Analysis Batch: 514468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-226754-1	WW# 1	Dissolved	Water	200.8	514264
550-226754-2	Dup - 1	Dissolved	Water	200.8	514264
MB 570-514264/1-A	Method Blank	Total Recoverable	Water	200.8	514264
LCS 570-514264/2-A	Lab Control Sample	Total Recoverable	Water	200.8	514264
LCSD 570-514264/3-A	Lab Control Sample Dup	Total Recoverable	Water	200.8	514264
570-210602-B-1-B MS ^5	Matrix Spike	Total Recoverable	Water	200.8	514264
570-210602-B-1-C MSD ^5	Matrix Spike Duplicate	Total Recoverable	Water	200.8	514264

Lab Chronicle

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Client Sample ID: WW# 1
Date Collected: 12/10/24 10:05
Date Received: 12/10/24 15:02

Lab Sample ID: 550-226754-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.8			514264	UFLE	EET CAL 4	12/16/24 06:00
Dissolved	Analysis	200.8		1	514468	C0YH	EET CAL 4	12/16/24 12:42

Client Sample ID: Dup - 1
Date Collected: 12/10/24 10:05
Date Received: 12/10/24 15:02

Lab Sample ID: 550-226754-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Dissolved	Prep	200.8			514264	UFLE	EET CAL 4	12/16/24 06:00
Dissolved	Analysis	200.8		1	514468	C0YH	EET CAL 4	12/16/24 12:46

Laboratory References:

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

Accreditation/Certification Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Laboratory: Eurofins Calscience

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

Authority	Program	Identification Number	Expiration Date
Arizona	State	AZ0830	11-16-25

Method Summary

Client: Stantec Consulting Services, Inc.
Project/Site: Lordsburg Station

Job ID: 550-226754-1
SDG: Lordsbuig, Nm

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	EET CAL 4
200.8	Preparation, Total Recoverable Metals	EPA	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins Phoenix
4625 East Cotton Center Boulevard
Suite 189
Phoenix, AZ 85040-4807
phone 602.437.3340

Chain of Custody Record

226754

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Regulatory Program: ☐DW ☐NPDES ☐RCRA ☐Other:

Eurofins Environment Testing America

Client Contact	**Project Manager:** Steve Versa		COC No:
Company Name: STANTEC Consulting	**Email:** Steve.Versa@Stantec.com	**Site Contact:**	**Date:** 12/10/24 — 1 of 1 COCs
Address: 11311 Aurora Ave	**Tel/Fax:** 515-710-7523	**Lab Contact:**	**Carrier:** — TALS Project #:
City/State/Zip: Des Moines, IA 50322	**Analysis Turnaround Time**		Sampler: Chuck graves
Phone: 515-710-7523	☐CALENDAR DAYS ☐WORKING DAYS		**For Lab Use Only:**
FAX	TAT if different from Below ____		Walk-in Client:
Project Name: Lordsburg Station	☐ 2 weeks		Lab Sampling:
Site: Lordsburg, NM	☐ 1 week STD,		
PO# 1937108716	☐ 2 days TAT		Job / SDG No.:
	☐ 1 day		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Dissolved Chromium 200.8	Sample Specific Notes:
WW#1 (1)	12/10/24	1005	G	W	1	Y	N	X	
DUP-1 (2)	12/10/24	1005	G	W	1	Y	N	X	

550-226754 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:

1.1° TH295

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:			Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: STANTEC	Date/Time: 12/10/24 15:02	Received by:	Company:		Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:		Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company: ETA PHX		Date/Time: 12/10/24 15:02

CDC

Eurofins Phoenix
4625 East Cotton Center Boulevard Suite #189
Phoenix, AZ 85040
Phone: 602-437-3340

Chain of Custody Record

eurofins

Loc. 550
226754

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Reill, Rebecca G	Carrier Tracking No(s): N/A	COC No: 550-41143.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Rebecca.Gentes@et.eurofinsus.com	State of Origin: Arizona	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): State Alaska (UST); State Arizona		Job #: 550-226754-1
Address: 2841 Dow Avenue, Suite 100	Due Date Requested: 12/26/2024			Preservation Codes:
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lordsburg Station	Project #: 55017982			
Site: N/A	SSOW#: N/A			Other: N/A

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)	200.8_LL/FIELD_FLTRD (MOD) 1 metals Including prep	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
WW# 1 (550-226754-1)	12/10/24	10:05 Arizona	G	Water			X	1	
Dup 1 (550-226754-2)	12/10/24	10:05 Arizona	G	Water			X	1	

550-226754 Chain of Custody

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

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

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[illegible] 12-11-24 15:20		FTA-PHX	FedEx		
2	FedEx				12/12/24 0950	
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 1.4/2.1 SC12

Ver 10/10/2024

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 550-226754-1
SDG Number: Lordsbuig, Nm

Login Number: 226754
List Number: 1
Creator: Vela, Jorge

List Source: Eurofins Phoenix

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	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.	False	Check done at department level as required.

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Job Number: 550-226754-1
SDG Number: Lordsbuig, Nm

Login Number: 226754
List Number: 2
Creator: Khana, Piyush

List Source: Eurofins Calscience
List Creation: 12/12/24 05:14 PM

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	Seal present with no number.
Sample custody seals, if present, are intact.	N/A	
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	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX D

Data Collection Sheets - Groundwater

Stantec

GROUNDWATER SAMPLE COLLECTION RECORD

Well No. WW#1

Job No.: 193709470 **Client:** El Paso Natural Gas Company

Location: Lordsburg Station, Hidalgo County, NM **Date:** 3/12/24

Weather Conditions: Clear | Cool | Sunny

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h)	440 feet	Well Diameter	14-inch inner diameter
b. Depth to Water	92.41 feet	Three Well Volumes	gallons
c. Length of Water Column	~350 feet	One System Volume	

2. WELL PURGING DATA:

a. Purge Method: Dedicated in-well submersible pump

b. Purge Requirements: Parameter Stabilization (<10% change/interval over three consecutive readings)

c. Field Testing Equipment Used: YSI 556 Multiparameter Meter (S/N = 14J100156)

Time	DTW (ft)	Totalizer Reading (gal)	Temp. (°C) (+/- 10%)	pH (s.u.) (+/- 10%)	Spec.Cond. (µΩ/cm) (+/- 10%)	ORP (mV) (+/- 10%)	DO (mg/L) (N/A)	Turbidity (NTU) (N/A)		Color (visual)
09:15	92.41	1936,849								
09:38	92.41	" "	13.90	8.26	354	71.6	4.31			Clear
09:43	114.12	1,937,047	22.90	9.52	457	75.3	4.24			
09:48	123.36	1,937,142	23.39	9.51	460	83.0	4.10			
09:53	129.21	1,937,265	23.61	9.43	459	84.3	3.26			
09:58	133.32	1,937,388	23.60	9.37	458	75.9	3.07			
10:03	135.90	1,937,999	23.70	9.31	456	68.5	2.67			
10:08	137.95	1,937,615	23.71	9.29	455	64.1	2.51			
10:13	139.54	1,937,733	23.71	9.27	455	63.8	2.48			
10:18	140.69	1,937,848	23.70	9.28	455	63.6	2.41			

Start →

3. SAMPLE COLLECTION: Method: In-well submersible pump.

Container Type: 250-mL vial (1) Preservation: NO3 Analysis Req.: Chromium -dissolved (EPA 300.8)

Container Type: Preservation: Analysis Req.:

Sample ID #: WW#1 Time Sampled: 10:20

4. COMMENTS: Final Totalizer = 1,937,949 (1,937,949)

QA/QC Sample Collected = 1 Duplicate (Dup-1), Time: 01:00

Field Filtered? Y / N

Sampler (Signature)

Chuck Graves

(Print Name)

Stantec

GROUNDWATER SAMPLE COLLECTION RECORD

Well No. WW#1

Job No.: 193710418 **Client:** El Paso Natural Gas Company

Location: Lordsburg Station, Hidalgo County, NM **Date:** 5/29/24

Weather Conditions: Clear / Sunny

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h)	440 feet	Well Diameter	14-inch inner diameter
b. Depth to Water	92.59 feet	Three Well Volumes	gallons
c. Length of Water Column	~350 feet	One System Volume	

2. WELL PURGING DATA:

a. Purge Method: Dedicated in-well submersible pump

b. Purge Requirements: Parameter Stabilization (<10% change/interval over three consecutive readings)

c. Field Testing Equipment Used: YSI 550 Multiparameter Meter (S/N = 14J100156)

Time	DTW (ft)	Totalizer Reading (gal)	Temp. (°C) (+/- 10%)	pH (s.u.) (+/- 10%)	Spec.Cond. (µΩ/cm) (+/- 10%)	ORP (mV) (+/- 10%)	DO (mg/L) (N/A)	Turbidity (NTU) (N/A)	Color (visual)
MST									
0935	92.59	1976938	25.20	8.09	406	205.2	4.05	clear	clear
0940	111.18	1977079	23.87	9.13	411	155.7	2.40		
0945	119.62	1977193	23.87	9.17	411	142.2	2.22		
0950	125.21	1977300	23.98	9.15	410	134.7	2.33		
0955	129.13	1977421	24.04	9.12	409	128.9	2.72		
1000	130.30	1977514	24.09	9.08	407	123.4	2.74		
1005	133.08	1977615	24.13	9.06	407	114.0	2.54		
1010	134.21	1977716	24.19	9.06	407	103.9	2.53		
1015	135.12	1977814	24.25	9.06	408	103.6	2.53		
1020	135.91	1977910	24.26	9.06	408	103.1	2.55		

3. SAMPLE COLLECTION: Method: In-well submersible pump.

Container Type: 250-mL vial (1) Preservation: NO3 Analysis Req.: Chromium -dissolved (EPA 300.8)

Container Type: Preservation: Analysis Req.:

Sample ID #: WW#1 Time Sampled: 10:20

4. COMMENTS:

QA/QC Sample Collected = 1 Duplicate (Dup-1), Time: 01:00

Field Filtered? [Y] / N

Sampler (Signature)

Chuck Graves

(Print Name)

Stantec

GROUNDWATER SAMPLE COLLECTION RECORD

Well No. WW#1

Job No.: 193709470 **Client:** El Paso Natural Gas Company

Location: Lordsburg Station, Hidalgo County, NM **Date:** 9/10/24

Weather Conditions: Clear + Sunny

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h)	440 feet	Well Diameter	14-inch inner diameter
b. Depth to Water	96.06 feet	Three Well Volumes	gallons
c. Length of Water Column	~350 feet	One System Volume	

2. WELL PURGING DATA:

a. Purge Method * Dedicated in-well submersible pump (new - installed mid August 2024)

b. Purge Requirements Parameter Stabilization (<10% change/interval over three consecutive readings)

c. Field Testing Equipment Used YSI 550 Multiparameter Meter (S/N = 03G0568AG

Time	DTW (ft)	Totalizer Reading (gal)	Temp. (°C) (+/- 10%)	pH (s.u.) (+/- 10%)	Spec.Cond. (µΩ/cm) (+/- 10%)	ORP (mV) (+/- 10%)	DO (mg/L) (N/A)	Turbidity (NTU) (N/A)	Color (visual)
0835	96.06	1990450							
0840	137.41	1990800	24.01	9.11	491	-322.3	2.81	clear	Clear
0845	159.21	1991146	24.05	9.04	486	-323.5	3.00	—	Clear
0850	202.16	1991353	24.10	8.98	482	-323.9	3.18	—	Clear
0855	226.22	1991581	24.00	8.90	479	-322.1	3.24	—	Clear
0900	251.36	1991818	24.03	8.81	477	-317.0	3.25	—	Clear
1005	278.16	1992065	24.14	8.81	475	-317.7	3.21	—	Clear
1010	285.73	1992342	24.19	8.77	473	-316.9	3.11	—	Clear
1015	296.62	1992554	24.24	8.76	473	-317.2	3.03	—	Clear
1020	306.11	1992800	24.26	8.75	473	-316.0	2.95	—	Clear

3. SAMPLE COLLECTION: Method In-well submersible pump.

Container Type: 250-mL vial (1) Preservation: HNO3 Analysis Req.: Chromium -dissolved (EPA 300.8)

Container Type: Preservation: Analysis Req.:

Sample ID #: WW#1 Time Sampled: 10:20

4. COMMENTS: 10:40 Signed out. * well had new pump installed in mid-August 2024.

QA/QC Sample Collected = 1 Duplicate (Dup-1), Time: 01:00 windmill - not moving (inop.)

Field Filtered? Y / N

Chuck Graves — Chuck Graves

Sampler (Signature) (Print Name)

Stantec

GROUNDWATER SAMPLE COLLECTION RECORD

Well No. WW#1

Job No.: 193709470 **Client:** El Paso Natural Gas Company

Location: Lordsburg Station, Hidalgo County, NM **Date:** 12/10/24

Weather Conditions: Clear/Sunny

1. WATER LEVEL DATA: (from TOC)

a. Total Well Length (h)	440 feet	Well Diameter	14-inch inner diameter
b. Depth to Water	92.52 feet	Three Well Volumes	gallons
c. Length of Water Column	~350 feet	One System Volume	

2. WELL PURGING DATA:

a. Purge Method: Dedicated in-well submersible pump

b. Purge Requirements: Parameter Stabilization (<10% change/interval over three consecutive readings)

c. Field Testing Equipment Used: YSI 550 Multiparameter Meter (S/N =)

Time	DTW (ft)	Totalizer Reading (gal)	Temp. (°C) (+/- 10%)	pH (s.u.) (+/- 10%)	Spec.Cond. (µΩ/cm) (+/- 10%)	ORP (mV) (+/- 10%)	DO (mg/L) (N/A)	Turbidity (NTU) (N/A)		Color (visual)
09:21	92.52	1993382								
09:25	120.10	1993610	24.11	9.80	506	-202.9	2.28			clear
09:30	144.80	1993834	23.84	9.71	499	-220.1	2.06			↓
09:35	159.44	1994049	23.53	9.62	493	-220.4	2.08			
09:40	174.30	1994324	23.29	9.50	486	-216.3	2.40			
09:45	185.80	1994570	23.26	9.45	485	-215.1	2.39			
09:50	192.36	1994820	23.26	9.41	483	-209.2	2.45			
09:55	195.16	1995059	23.33	9.37	482	-216.1	2.42			
10:00	199.60	1995320	23.35	9.34	481	-214.5	2.46			
10:05	202.84	1995560	23.32	9.35	482	-214.8	2.44			

3. SAMPLE COLLECTION: Method: In-well submersible pump.

Container Type: 250-mL vial (1) Preservation: NO3 Analysis Req.: Chromium -dissolved (EPA 300.8)

Container Type: Preservation: Analysis Req.:

Sample ID #: WW#1 Time Sampled: 10:05

4. COMMENTS:

QA/QC Sample Collected = 1 Duplicate (Dup-1), Time: 01:00

Field Filtered? Y / N

Sampler (Signature)

Chuck Graves

(Print Name)

APPENDIX E

Data Validation Report

APPENDIX E

DATA VALIDATION REPORT

2024 Annual Groundwater Monitoring Report
Lordsburg Compressor Station, Hidalgo County, New Mexico

February 25, 2025

Prepared for:
El Paso Natural Gas Company, LLC

INTRODUCTION

This data validation report summarizes the quality assurance (QA) and quality control (QC) (QA/QC) results for the samples collected and data generated during 2024 Groundwater Monitoring Events conducted at the Lordsburg Compressor Station (site) on March 12, May 29, September 10, and December 10, 2024. Groundwater samples and associated field QA/QC samples were collected by Stantec Consulting Services Inc. (Stantec) and analyzed by Eurofins Environment Testing located in Phoenix, Arizona (Eurofins Phoenix) for dissolved chromium by inductively coupled plasma/mass spectrometry (ICP/MS) method EPA 200.8 LL.

DATA EVALUATION

Data quality was evaluated relative to the following data quality indicators and associated QC control limits: precision, accuracy, representativeness, comparability, completeness, sensitivity, and traceability. Data were evaluated and qualified in general accordance with applicable portions of the United States Environmental Protection Agency (USEPA) Contract Laboratory Program (CLP) National Functional Guidelines for Inorganic Superfund Data Review. Data verification and validation activities were based on Stage 2B completeness and compliance checks of sample-related and instrument-related QC results identified in USEPA Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use. Compliance-check QC results were compared to control limits also presented in the laboratory analytical reports.

The following samples and analyses were evaluated during the data validation.

- Sample Delivery Group (SDG) 550-215497-1:
  - WW#1
  - DUP-1, field duplicate sample of WW#1
- SDG 550-219005-1:
  - WW#1
  - DUP-1, field duplicate sample of WW#1
- SDG 550-223300-1:
  - WW#1
  - Duplicate, field duplicate sample of WW#1
- SDG 550-226754-1:
  - WW#1
  - Dup-1, field duplicate sample of WW#1

DATA VALIDATION RESULTS

QC parameter results were within control limits specified in the method and laboratory analytical reports, except for results noted in the following method summaries. Based on the results of this data quality review, the data are considered usable as reported for the purpose of the monitoring activities.

Metals by ICP/MS Method EPA 200.8 LL

QC Parameter	Acceptable	Acceptable with Qualification	Not Acceptable
Traceability			
Sample Documented in Field Logbook/Form	X		
Sample Documented on Chain-of-Custody Form	X		
Sample Documented in Analytical Report	X		
Comparability			
Use of Standard Field Procedures	X		
Use of Standard Analytical Methods	X		
Use of Standard Units of Measure	X		
Representativeness			
Sample Hold Time	X		
Sample Preservation	X		
Completeness			
Analyte List	X		
Sensitivity			
Quantitation Limits	X		
Accuracy			
Method Blank	X		
Laboratory Control Sample/Duplicate Recovery Results	X		
Precision			
Laboratory Control Sample/Duplicate RPD	X		
Matrix Spike/Matrix Spike Duplicate RPD	X		
Field Duplicate Results	X		

Validation Notes:

For precision measurements, precision is expressed as the relative percent difference (RPD) of the values and is calculated as follows:

$$RPD = \frac{Primary - Duplicate}{\frac{1}{2}(Primary - Duplicate)} x100$$

Sensitivity is evaluated by comparing the analyte quantitation limit (reporting level [RL] and/or method detection level [MDL]) or reported value of each reported analyte concentration not analyzed at a dilution to the regulatory target level for the analyte.

Each metals sample was found to be acceptable as reported in regard to the data quality indicators of traceability, comparability, representativeness, completeness, sensitivity, accuracy, and precision.

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State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Operator: El Paso Natural Gas Company, L.L.C 1001 Louisiana Street Houston, TX 77002	OGRID: 7046
	Action Number: 445455
	Action Type: [UF-GWA] Ground Water Abatement (GROUND WATER ABATEMENT)

CONDITIONS

Created By	Condition	Condition Date
michael.buchanan	Review of the 2024 Annual Groundwater Monitoring Report for Lordsburg Compressor Station: content satisfactory 1. Continue to conduct groundwater sampling through the first quarter of 2025 as prescribed. 2. Continue as planned--and scheduled-- to sample for chromium in groundwater at the site. 3. Submit the abatement termination report--if achievable--or submit the 2025 groundwater annual report to OCD by April 2025.	4/23/2025