

# **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.

# 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 <sup>1</sup> Chi	omium 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:

<sup>1</sup> Sample filtered using 0.045 micro filter

NG = Not Gauged

NC = Not Collected

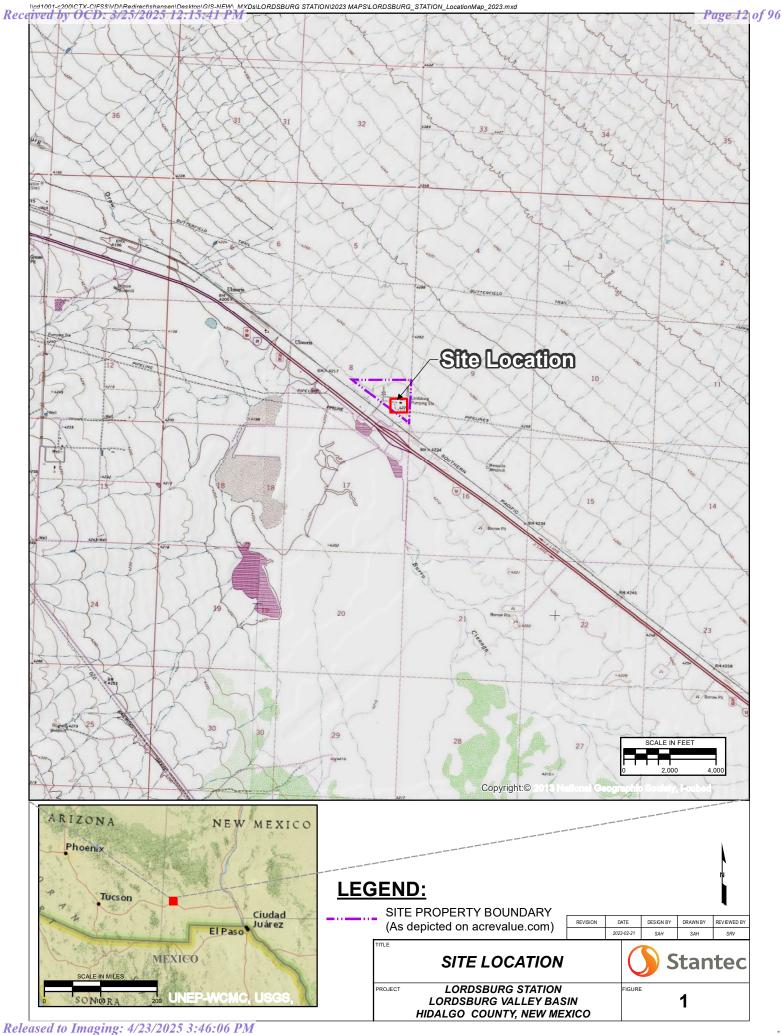
mg/L - milligrams per liter

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

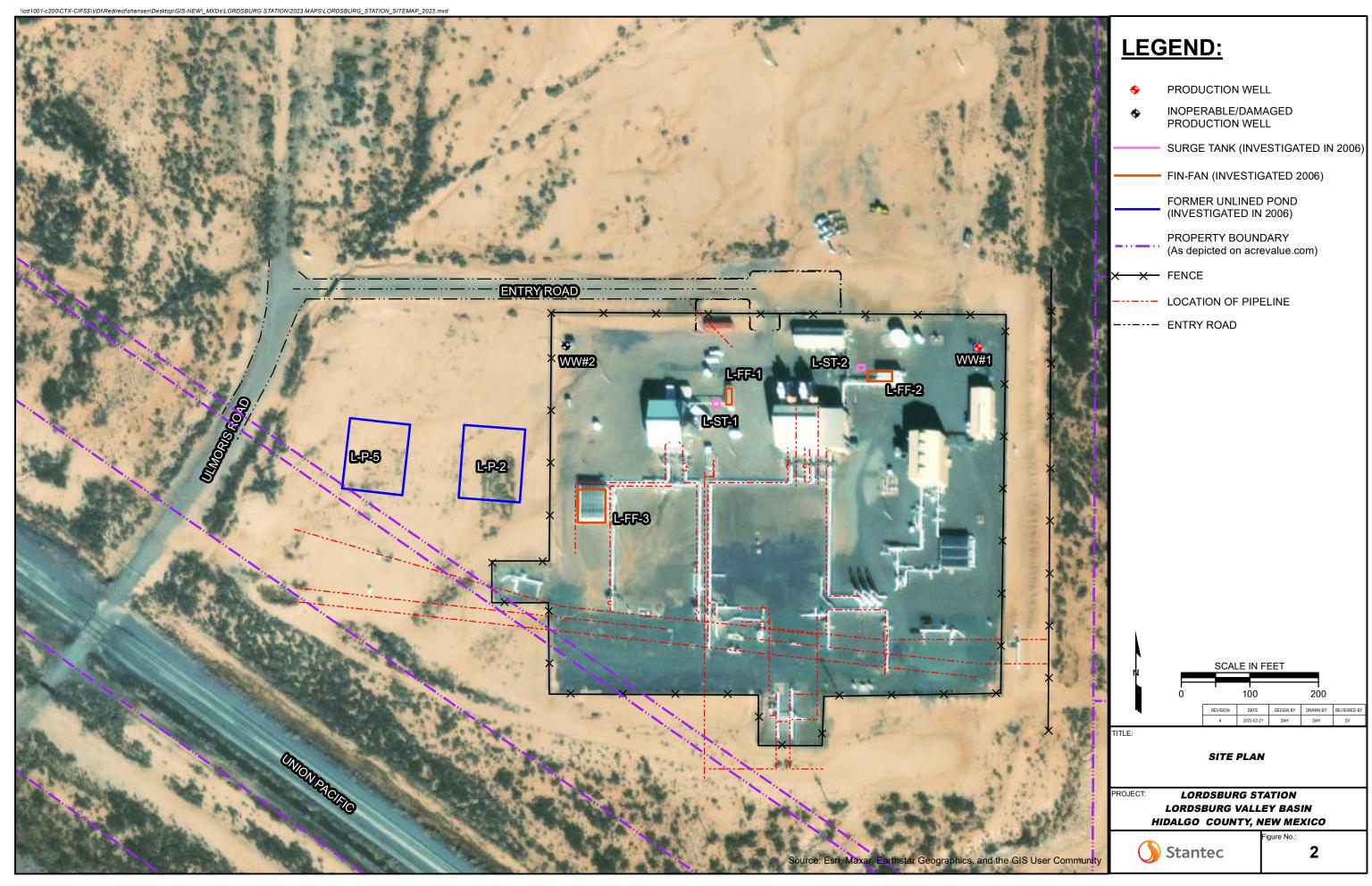
# **FIGURES**

FIGURE 1: SITE LOCATION MAP

FIGURE 2: SITE PLAN



Received by OCD: 3/25/2025 12:15:41 PM



#### **APPENDICES**

APPENDIX A – SITE HISTORY

APPENDIX B – NMOCD NOTIFICATION OF SITE ACTIVITIES

APPENDIX C – LABORATORY ANALYTICAL REPORTS - GROUNDWATER

APPENDIX D – DATA COLLECTION SHEETS - GROUNDWATER

APPENDIX E – DATA VALIDATION REPORT

# **APPENDIX A**

EPWW1 Pump Replacement Documentation

Stantec -

#### 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

**Stanted** 

From: <u>Varsa, Steve</u>

To: <u>nelson.valez@state.nm.us</u>

Cc: <u>Bratcher, Mike, EMNRD</u>; <u>Stavinoha, Doug</u>

**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 <u>steve.varsa@stantec.com</u>

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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

You don't often get email from shelly.wells@emnrd.nm.gov. Learn why this is important

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)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

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: <u>Varsa, Steve</u>

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

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From: <u>Varsa, Steve</u>

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

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# **APPENDIX C**

Laboratory Analytical Reports - Groundwater

Stantec -

**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

# **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

Page 2 of 15 3/18/2024

Laboratory Job ID: 550-215497-1

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

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#### **Definitions/Glossary**

Client: Stantec Consulting Services, Inc.

Job ID: 550-215497-1

Project/Site: Lordsburg Station, NM

#### **Qualifiers**

#### **Metals**

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)

MQL NC

MPN

C Not Calculated

ND Not Detected at the reporting limit (or MDL or EDL if shown)

Most Probable Number

Method Quantitation Limit

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.

Project: Lordsburg Station, NM

Job ID: 550-215497-1

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
- 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.

**Eurofins Phoenix** 

# 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

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# **Detection Summary**

Client: Stantec Consulting Services, Inc.

Job ID: 550-215497-1

Project/Site: Lordsburg Station, NM

Client Sample ID: WW#1

**Client Sample ID: Dup-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

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		Ī	200.8 LL	 Dissolved

This Detection Summary does not include radiochemical test results.

**Eurofins Phoenix** 

#### Client Sample Results

Client: Stantec Consulting Services, Inc.

Project/Site: Lordsburg Station, NM

Lab Sample ID: 550-215497-1

Client Sample ID: WW#1
Date Collected: 03/12/24 10:20

Matrix: Water

Job ID: 550-215497-1

Date Received: 03/12/24 15:30

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

 Analyte
 Result Chromium
 Qualifier
 RL NOULD NOULD

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
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 Unit
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 Prepared
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 Dil Fac

 Chromium
 0.038
 0.0010
 0.00043
 mg/L
 03/14/24 06:13
 03/15/24 20:35
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Eurofins Phoenix

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#### QC Sample Results

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

Job ID: 550-215497-1

Method: 200.8 LL - Metals (ICP/MS)

Lab Sample ID: MB 550-317428/1-A

**Matrix: Water** 

Analysis Batch: 317635

Client Sample ID: Method Blank

Prep Type: Total/NA

**Prep Batch: 317428** 

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

Lab Sample ID: LCS 550-317428/2-A

**Matrix: Water** 

Analysis Batch: 317635

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Drop Potoby 247420

%Rec

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

мв мв

Lab Sample ID: LCSD 550-317428/3-A **Matrix: Water** 

Analysis Batch: 317635

Client	Sample	ID: La	b Contro	I Sample Dup

Prep Type: Total/NA

Prep Batch: 317428

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

Lab Sample ID: 550-215551-C-1-A MS

**Matrix: Water** 

Analysis Batch: 317635

Client Sample ID: Matrix Spike **Prep Type: Dissolved** 

Prep Batch: 317428

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

Lab Sample ID: 550-215551-C-1-B MSD

**Matrix: Water** 

Analysis Batch: 317635

Client Sample ID: Matrix Spike Duplicate

**Prep Type: Dissolved** 

Prep Batch: 317428

%Rec **RPD** 

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

**Eurofins Phoenix** 

# **QC Association Summary**

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

Job ID: 550-215497-1

#### **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

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#### **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

Matrix: Water

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

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

**Eurofins Phoenix** 

# **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	<b>Expiration Date</b>
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

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COC No:			Ž.	VE VAA	Project Manager: Tex VARSA	Project N						
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America									3oulevard	Center E	4625 East Cotton Center Boulevard Suite 189	4625 East Suite 189
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Phoenix, AZ 85040-4807 phone 602.437.3340	Regulatory Program:	gram: Dw NPDES	RCRA Other:	15451C	Eurofins Environment Testing America
	Project Manager: Text	Teve VARSA			COC No:
Client Contact	Email: Stave VAR	STANTEC. GAN	Site Contact:	Date: 3/12/24	of COCs
Company Name Stante Consaltung Service sellFax:	Jel/Fax:		Lab Contact:	Carrier:	TALS Project #:
Address 11311 Aurora Ave		Analysis Turnaround Time	ter		Sampler Chuck graves
es Moin	CALENDAR DAYS	☐ WORKING DAYS			-
-710-7523	TAT if different fr	TAT if different from Below TP . TAT			Walk-in Client:
FAX			Υ/		Lab Sampling:
Project Name Lordsbury STATION, NM		1 week	(V)		
		2 days	MS		Job / SDG No.:
PO# 1057302		1 day	AS /		
			rm N		
Sample Identification	Sample Sample	Type (C=Comp, #of G=Grab) Matrix Cont.	Filtere Perfor		Sample Specific Notes:
			I		and the second of the second o
WW#	3/12/24 70:20	Z = Z	101 X		
Dup-I	3/12/28 -	2 2	1 N X		
				550-215497 Chain of Custody	dy
				Constitution Special Scientific Street Stree	
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4, 4=HNO3; 5=NaOH; 6= Other	>5=NaOH; 6= Other				and longer than 4 month)
Possible Hazard Identification:  Are any samples from a listed EPA Hazardous Waste? Pleathe Comments Section if the lab is to dispose of the sample.	se List any EPA Was	Please List any EPA Waste Codes for the sample in nole.	Sample Disposal ( A fee may	Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)	ned longer than 1 month)
Mon-Hazard   Hammable   Skin Irritant	Poison B	Unknown	Return to Client	MDisposal by LabArchive for	Months
Special Instructions/QC Requirements & Comments:				5	1
				0.00	
Cystody Sea/s/Intact: 🚺 Yes 🔲 No	Custody Seal No.:	-	oler Temp.	(°C): Obs'd:Con'd:	Therm ID No.:
Relibourspeed by: M	Company:	3 12 24	Received by:	Company:	Date/Time:
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#### **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.</td <td>True</td> <td></td>	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	

Released to Imaging: 4/23/2025 3:46:06 PM

**Environment Testing** 

## **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

## **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

Laboratory Job ID: 550-219005-1

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

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### **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

Percent Recovery %R **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER** 

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 MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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** 

Relative Error Ratio (Radiochemistry) **RER** 

Reporting Limit or Requested Limit (Radiochemistry) RL

**RPD** Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC** 

**Eurofins Phoenix** 

#### **Case Narrative**

Client: Stantec Consulting Services, Inc.

Project: Kinder Morgan

Job ID: 550-219005-1

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.

**Eurofins Phoenix** 

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### **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.

Job ID: 550-219005-1

Project/Site: Kinder Morgan

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

Analyte	Result Qualifier	RL	MDL Unit	Dil Fac [	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: 550-21900
--

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

### **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

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 Prepared Analyzed Dil Fac Chromium 0.042 0.0010 0.00043 mg/L 05/30/24 05:09 05/31/24 13:36

**Eurofins Phoenix** 

Dil Fac

### QC Sample Results

RL

0.0010

Spike

Added

0.100

Spike

Added

0.100

Spike

Added

0.100

Spike

Added

0.100

**MDL** Unit

0.00043 mg/L

LCS LCS

LCSD LCSD

MS MS

MSD MSD

Result Qualifier

Result Qualifier

Result Qualifier

0.0981

0.0973

0.139

0.141

Result Qualifier

Unit

mg/L

Unit

mg/L

Unit

mg/L

Unit

mg/L

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

**Matrix: Water** Analysis Batch: 321790

MB MB

Result Qualifier Analyte Chromium ND E8

Lab Sample ID: LCS 550-321668/2-A **Matrix: Water** 

Analysis Batch: 321790

Analyte

Lab Sample ID: LCSD 550-321668/3-A

**Matrix: Water** 

Chromium

**Analysis Batch: 321790** 

Analyte

Chromium

Lab Sample ID: 550-218976-D-2-A MS

**Matrix: Water** 

Analyte

**Analysis Batch: 321790** 

Chromium 0.014

Lab Sample ID: 550-218976-D-2-B MSD

**Matrix: Water** 

Analysis Batch: 321790

Sample Sample Analyte

Result Qualifier Chromium 0.014

Sample Sample

Result Qualifier

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 321668

Analyzed Prepared 05/30/24 05:09 05/31/24 12:27

**Client Sample ID: Lab Control Sample** 

Prep Type: Total/NA

**Prep Batch: 321668** 

%Rec

D %Rec Limits

85 - 115 98

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 321668

%Rec **RPD** 

Limits RPD Limit %Rec

97 85 - 115

**Client Sample ID: Matrix Spike** 

**Prep Type: Dissolved** 

**Prep Batch: 321668** 

%Rec

%Rec Limits

70 - 130

125

%Rec

128

**Client Sample ID: Matrix Spike Duplicate** 

**Prep Type: Dissolved** 

Prep Batch: 321668

RPD %Rec

Limits RPD Limit

70 - 130 2 20

### **QC Association Summary**

Client: Stantec Consulting Services, Inc.

Project/Site: Kinder Morgan

Job ID: 550-219005-1

#### **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

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#### **Lab Chronicle**

Client: Stantec Consulting Services, Inc.

Project/Site: Kinder Morgan

Lab Sample ID: 550-219005-1

**Matrix: Water** 

Job ID: 550-219005-1

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

Client Sample ID: WW #1

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

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

Date Received: 05/29/24 15:13

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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	<b>Identification Number</b>	<b>Expiration Date</b>	
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

**Eurofins Phoenix** 

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Received by OCD: 3/25/2025 12:15:41 PM

- 7 6 4 6 9 7 8 6 7 7 6 7

218968 MTS 5/29/24

#### **Eurofins Phoenix**

4625 East Cotton Center Boulevard Suite 189 Phoenix, AZ 85040-4807 **Chain of Custody Record** 

eurofin:
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Environment Testing America

phone 602.437.3340	Regu	latory Pro	ogram:	□ow I	NPDES	Г	RCR/	A	☐ Othe	r.		-	1	ci (	3	_				Eurofins Environment Testing Ame
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Client Contact	Email:51	Email: Steve. Varsa @ STANTEC. Com				Site Contact: Date:					ite: 5/29/24									
Company Name StanteC	Tel/Fax:	515-7	10-752	23			Cont							rrier:	M	10	·			TALS Project #:
Address 11311 Avrora Ave			urnaround			T		П				T	1		T	T		T	1	Sampler Chuck graves
City/State/Zip Des Moines, IA 50322	CALENI	CALENDAR DAYS WORKING DAYS  TAT if different from Below 2 weeks 1 week 2 days 1 day  Sample Type (C=Comp, G=Grab) Matrix  # of Cont.			11	CHEOMILLE									1				For Lab Use Only:	
Phone 515 - 251-1020	TA	T if different f	rom Below			1	3 3													Walk-in Client:
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Are any samples from a listed EPA Hazardous Waste? Ple the Comments Section if the lab is to dispose of the sample.	ase List any	EPA Was	te Codes fo	or the sa	ample in															
Non-Hazard Flammable Skin Intant	Polson					-											_			
Special Instructions/QC Requirements & Comments:	Poison	В	Unkno	own		_	R	etum	to Client	t		<b>×4</b> 0	isposa	l by La	þ			Archive	for	Months
MPL Cr <0.05 mg/L																				
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						士	W	1a	n Labo		28						H	PH		Date/Time: 5/29/24 15/3

### **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.</td <td>True</td> <td></td>	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	

Released to Imaging: 4/23/2025 3:46:06 PM

**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

## **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

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Authorized for release by Rebecca Reill, Project Manager I Rebecca.Gentes@et.eurofinsus.com

(602)437-3340

Eurofins Phoenix is a laboratory within Eurofins Environment Testing Southwest, LLC, a company within Eurofins Environment Testing Group of Companies

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10/1/2024

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Laboratory Job ID: 550-223300-1

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

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### **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

Percent Recovery %R **CFL** Contains Free Liquid CFU Colony Forming Unit CNF Contains No Free Liquid

Duplicate Error Ratio (normalized absolute difference) **DER** 

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 MLMinimum Level (Dioxin) MPN Most Probable Number Method Quantitation Limit MQL

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** 

Relative Error Ratio (Radiochemistry) **RER** 

Reporting Limit or Requested Limit (Radiochemistry) RL

**RPD** Relative Percent Difference, a measure of the relative difference between two points

TEF Toxicity Equivalent Factor (Dioxin) **TEQ** Toxicity Equivalent Quotient (Dioxin)

Too Numerous To Count **TNTC** 

**Eurofins Phoenix** 

#### **Case Narrative**

Client: Stantec Consulting Services, Inc.

Project: Lordsburg Station

Job ID: 550-223300-1

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.

**Eurofins Phoenix** 

### **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		200.8	Total
						Recoverable

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### **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 Chromium
 Qualifier
 RL Qualifier
 MDL unit ug/L
 Unit ug/L
 D 09/30/24 06:55
 Analyzed 09/30/24 15:36
 D 09/30/24 15:36

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

Date Collected: 09/10/24 01:00 Lab Sample 1D. 550-223300-2

Date Received: 09/10/24 14:20

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

 Analyte
 Result Chromium
 Qualifier
 RL Qualifier
 MDL QUALIFICATION
 Unit QUAL
 D QUALIFICATION
 Prepared QUALIFICATION
 Analyzed QUALIFICATION
 D QUALIFICATION

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Job ID: 550-223300-1

Client: Stantec Consulting Services, Inc.

Project/Site: Lordsburg Station

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 570-486005/1-A

**Matrix: Water** 

Analyte

Chromium

Analysis Batch: 486301

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

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

Lab Sample ID: LCS 570-486005/2-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total Recoverable Analysis Batch: 486301 Prep Batch: 486005** Spike LCS LCS %Rec Added Result Qualifier D %Rec Limits Analyte Unit 80.0 85.8 85 - 115 Chromium ug/L 107

Lab Sample ID: LCSD 570-486005/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 486301 Prep Batch: 486005** Spike LCSD LCSD %Rec **RPD** Added Result Qualifier Limits **RPD** Limit Analyte Unit D %Rec Chromium 80.0 83.7 85 - 115 20 ug/L

Lab Sample ID: 550-223300-1 MS Client Sample ID: WW #1 **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 486301 Prep Batch: 486005** Spike MS MS %Rec Sample Sample Analyte Result Qualifier Added Result Qualifier Unit %Rec Limits 80.0 80 - 120 Chromium 34 117 ug/L

Lab Sample ID: 550-223300-1 MSD Client Sample ID: WW #1 **Matrix: Water Prep Type: Total Recoverable** Analysis Batch: 486301 Prep Batch: 486005 MSD MSD Sample Sample Spike %Rec **RPD** Analyte Result Qualifier Added Unit Limits RPD Result Qualifier %Rec Limit Chromium 34 80.0 123 111 80 - 120 ug/L

Lab Sample ID: 550-223300-2 MS Client Sample ID: Dup-1 **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 486301 Prep Batch: 486005** Sample Sample Spike MS MS %Rec Result Qualifier Added Result Qualifier Limits Analyte Unit D %Rec 80.0 80 - 120 Chromium 33 119 ug/L 108

Lab Sample ID: 550-223300-2 MSD Client Sample ID: Dup-1 **Matrix: Water Prep Type: Total Recoverable Analysis Batch: 486301 Prep Batch: 486005** Sample Sample Spike MSD MSD %Rec **RPD** Result Qualifier Added Limits Result Qualifier D RPD Limit Analyte Unit %Rec Chromium 80.0 33 115 ug/L 103 80 - 120 4

**Eurofins Phoenix** 

### **QC Association Summary**

Client: Stantec Consulting Services, Inc.

Project/Site: Lordsburg Station

Job ID: 550-223300-1

#### **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

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#### **Lab Chronicle**

Client: Stantec Consulting Services, Inc.

Project/Site: Lordsburg Station

Lab Sample ID: 550-223300-1

**Matrix: Water** 

Job ID: 550-223300-1

Client Sample ID: WW #1
Date Collected: 09/10/24 10:20
Date Received: 09/10/24 14:20

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

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

Laboratory References:

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

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### **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	<b>Identification Number</b>	<b>Expiration Date</b>
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

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**Eurofins Phoenix** 

Suite 189

4625 East Cotton Center Boulevard

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## **Chain of Custody Record**

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Environment Testing America 10/1/2024

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Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNC	3; 5=NaOH	6= Other									驗層			236							15.35E	
Possible Hazard Identification:							Samp	ole Disp	osal (	A fee	may	oe ass	essec	l if sa	mple	s are	retai	ned lo	nger thai	1 mon	th)	
Are any samples from a listed EPA Hazardous Waste? Pl		/ EPA Was	te Codes f	or the sa	ample ir	וי																
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**Eurofins Phoenix** 

4625 East Cotton Center Boulevard

**Chain of Custody Record** 

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" P13 1 10 419 100.00		1	Sample			MS / MSD (Y/	2		11							
Sample Identification	Sample Date	Sample Time	Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sa Perform M	000									Sample Specific Notes:
W₩#!	9/10/24	1020	G	W	(	y N >	<		1	20						
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eservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO	3; 5=NaOH;	6= Other	CENERAL	Sar Francis				A 15 15 15 15 15 15 15 15 15 15 15 15 15								
ssible Hazard Identification: any samples from a listed EPA Hazardous Waste? Ple	ase List any	FPA Was	te Codes f	or the sa	mole in	Sam	iple Di	sposal	A tee	may be	asses	sed If	sampi	es are	retair	ned longer than 1 month)
Comments Section if the lab is to dispose of the sample																
Non-Hazard Flammable Skin Irritant	Poison	В	Unkno	own			Return	to Client		Dis	posal by I	Lab		Archiv	ve for_	Months
ecial Instructions/QC Requirements & Comments:	*															
$\cap$																2 9ºclice 1 Up
ustody Seals Intact: Yes No	Custody S							Cooler T	emp. (	°C): Ob	s'd:		_Corr			_ Therm ID No.:
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inquished by:	Company:			Date/T	me:		ived b					Comp	any:			Date/Time:
	1			1	me:			Labora				-	TAF			Date/Time:

4625 East Cotton Center Boulevard Suite #189

Released to Imaging: 4/23/2025 3:46:06 PM

Phoenix, AZ 85040 Phone: 602-437-3340

## **Chain of Custody Record**



eurofins

Loc: 550

41 Dow Avenue, Suite 100, , 10/2/202	e Requested: 124  uested (days):  182  Sample Time  10:20 Arizona 01:00	Sample   (wm   S=2   C=2   C	E-Mail: Rebe	Rebe cca.G	tations R	equired (Sa (UST)	See note) ; State	): - Arizo	Sta An	ested				intainers	Other:	of 1 3300-1 ration Co		ons/Note:
ent Contact: inipping/Receiving mpany: urofins Environment Testing Southwest, dress:  41 Dow Avenue, Suite 100,  y: istin ite, ⊠p: A, 92780 one: 4-895-5494(Tel) iail: ipict Name: rdsburg Station e:  SSOW#:  www.#1 (550-223300-1)  Phone: Phone: Phone: Phone: Phone: Phone: Phone: Phone: Power and Part Require Wow #1  ### (550-223300-1)  Phone:  ### (Formal Project #: ### (SSOW#: #### (SSOW#: ### (SSOW#: ### (SSOW#: #### (SSOW#: #### (SSOW#: ### (SSOW#: #### (SSOW#: #### (SSOW#: ##### (SSOW#: ###################################	le Date  Sample Time  10:20 Arizona 01:00	Sample   (wm   S=2   C=2   C	Rebe	ered Sample (Yes or No) MS/MSD (Yes or No)	X 200.8/200.8 P_TR (MOD) Custom 200.8 Metals List P_S s unique Relation Rel	equired (S	See note) ; State	): - Arizo	An	izona	jin:			ofcontainers	Page 1 Job #: 550-22 Preserv	3300-1 ration Co		ons/Note:
Papary:   Papa	le Date  Sample Time  10:20 Arizona 01:00	Sample   (wm   S=2   C=2   C	trix vater, olid, ste/oil, issue, Air) ode:	ered Sample (Yes or No) MS/MSD (Yes or No)	X 200.8/200.8 P_TR (MOD) Custom 200.8 Metals List P_S s unique Relation Rel	equired (S	See note) ; State	): - Arizo	na					of containers	Job #: 550-22: Preserv - Other:	3300-1 ration Co		ons/Note:
ofins Environment Testing Southwest, ress: 1 Dow Avenue, Suite 100, 10/2/202 titin 2 Zip: 92780 re: -895-5494(Tel) ii: wo #: ext Name: dsburg Station Project #: 5501798 SSOW#:	le Date  Sample Time  10:20 Arizona 01:00	Sample   (wm   S=2   C=2   C	trix vater, olid, ste/oil, issue, Air) ode:	ered Sample (Yes or No) MS/MSD (Yes or No)	X 200.8/200.8 P_TR (MOD) Custom 200.8 Metals List By		; State	- Arizo	-	ested				of containers	550-22 Preserv	ation Co		ons/Note:
Due Date 1 Dow Avenue, Suite 100, 1 10/2/202  TAT Requitin . ∠pp: 92780 e: -895-5494(Tel) f:  tot Name: Isburg Station  Project #: 5501798 SSOW#:  Paple Identification - Client ID (Lab ID)  Sample	le Date  Sample Time  10:20 Arizona 01:00	Sample   (wm   S=2   C=2   C	vater, olid, stevoil, issue, Air) ode;	ered Sample (Yes MS/MSD (Yes or N	X 200.8/200.8_P_TR (MOD) Custom 200.8 Metals		Anal	lysis I	Reque	ested				of containers	Other:			ons/Note:
tin e, Zip: 92780  le: -895-5494(Tel)  le: et Name: dsburg Station  Project #: 5501798 SSOW#:  ##1 (550-223300-1)  SAMPle	Sample Time  0/24 Arizona 0/24 01:00	Sample   (wm   S=2   C=2   C	vater, olid, stevoil, issue, Air) ode;	ered Sample (Yes MS/MSD (Yes or N	X 200.8/200.8_P_TR (MOD) Custom 200.8 Metals		Anai	lysis	Reque	ested				0		pecial Ir	nstructio	ons/Note:
tiin , Zip: 92780 e: PO #: 895-5494(Tel) : W0 #: ct Name: Project #: 5501798 ssow#:	Sample Time 0/24 10:20 Arizona 01:00	Sample   (wm   S=2   C=2   C	vater, olid, stevoil, issue, Air) ode;	ered Sample (Yes MS/MSD (Yes or N	X 200.8/200.8_P_TR (MOD) Custom 200.8 Metals									0		pecial Ir	nstructio	ons/Note:
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tt Name: sburg Station  Project #: 5501798 SSOW#:  sple Identification - Client ID (Lab ID)  Sample #1 (550-223300-1)  9/10	Sample Time  0/24 10:20 Arizona 0/24 01:00	Sample   (wm   S=2   C=2   C	vater, olid, stevoil, issue, Air) ode;	ered Sample (Yes MS/MSD (Yes or N	X 200.8/200.8_P_TR (MOD)									0		pecial Ir	nstructio	ons/Note:
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Since laboratory accreditations are subject to change, Eurofins Environment Testing S	Southwest, LLC places th	ne ownership of metho	d. analyte	e & acc	reditation	complian	ice upon	our subc	contract la	aboratorie	s. This s	sample	shipme	ent is	forwarde	ed under ch	hain-of-cu	stody. If the
tory does not currently maintain accreditation in the State of Origin listed above for ana	alysis/tests/matrix being a	analyzed, the samples	must be	shippe	d back to	the Eurol	fins Envir	ronment	Testing 9	Southwes	t, LLC lat	boratory	or oth	er in	structions	s will be pro	ovided. A	ny changes t
ditation status should be brought to Eurofins Environment Testing Southwest, LLC atter	ention immediately. If all I	requested accreditation	ons are co	urrent to	o date, re	tum the s	igned Ch	nain of Ci	ustody at	testing to	said com	npliance	to Eur	rotins	Environ	ment lesti	ing Southv	vest, LLC.
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rerable Requested: I, II, III, IV, Other (specify)  Primary	/ Deliverable Rank: 2	2		Sp	ecial In	struction	ns/QC F	Require	ements:									
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tody Seals Intact: Custody Seal No.:											- 1			,				"'y

### **Login Sample Receipt Checklist**

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

**List Source: Eurofins Phoenix** Login Number: 223300

List Number: 1

Creator: Gravlin, Andrea

Greator. Graviiri, Andrea		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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	
s 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	

Released to Imaging: 4/23/2025 3:46:06 PM

### **Login Sample Receipt Checklist**

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

Login Number: 223300 **List Source: Eurofins Calscience** List Number: 2 List Creation: 09/27/24 03:38 PM

Creator: Khana, Piyush

Answer	Comment
N/A	
True	Seal present with no number.
N/A	
True	
True	
True	
True	2.9
True	
True	
True	
N/A	Received project as a subcontract.
True	
N/A	
	True N/A True N/A True True True True True True True True

Page 18 of 18

10/1/2024

**Eurofins Phoenix** 

**Environment Testing** 

## **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

## **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** 

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Certification Summary	12
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# **Definitions/Glossary**

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

# **Qualifiers**

# **Metals**

POS

PQL

QC

RER

RL RPD

TEF

TEQ

**TNTC** 

**PRES** 

Qualifier **Qualifier Description** 

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

**Eurofins Phoenix** 

Positive / Present

Presumptive

**Quality Control** 

Practical Quantitation Limit

Relative Error Ratio (Radiochemistry)

Toxicity Equivalent Factor (Dioxin)

Too Numerous To Count

Toxicity Equivalent Quotient (Dioxin)

Reporting Limit or Requested Limit (Radiochemistry)

Relative Percent Difference, a measure of the relative difference between two points

# **Case Narrative**

Client: Stantec Consulting Services, Inc.

Project: Lordsburg Station

Job ID: 550-226754-1

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.

**Eurofins Phoenix** 

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# 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

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# **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

Result Qualifier Dil Fac D Method Analyte RLMDL Unit **Prep Type** 200.8 Chromium 1.0 0.12 ug/L Dissolved 36

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.

Project/Site: Lordsburg Station

SDG: Lordsbuig, Nm

Job ID: 550-226754-1

Client Sample ID: WW# 1

Lab Sample ID: 550-226754-1

Matrix: Water

Date Collected: 12/10/24 10:05 Date Received: 12/10/24 15:02

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

Analyte	Result Qualifier	RL	MDL I	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

0.12 ug/L

SDG: Lordsbuig, Nm

12/16/24 12:23

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

12/16/24 06:00

110

Client Sample ID: Matrix Spike Duplicate

**Prep Type: Total Recoverable** 

MB MB Dil Fac Result Qualifier RL MDL Unit D Prepared Analyzed

ug/L

Lab Sample ID: LCS 570-514264/2-A Client Sample ID: Lab Control Sample **Matrix: Water Prep Type: Total Recoverable** 

1.0

Analysis Batch: 514468

Analyte

Chromium

ND E8

Prep Batch: 514264 Spike LCS LCS %Rec Added Analyte Result Qualifier Unit D %Rec Limits Chromium 80.0 87.4 ug/L 109 85 - 115

Lab Sample ID: LCSD 570-514264/3-A Client Sample ID: Lab Control Sample Dup **Matrix: Water Prep Type: Total Recoverable** Analysis Batch: 514468 Prep Batch: 514264 LCSD LCSD RPD Spike %Rec Analyte Added Result Qualifier Unit D %Rec Limits RPD Limit Chromium 80.0 87.7 85 - 115

Lab Sample ID: 570-210602-B-1-B MS ^5 Client Sample ID: Matrix Spike **Prep Type: Total Recoverable** 

**Matrix: Water** 

Analysis Batch: 514468

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

Lab Sample ID: 570-210602-B-1-C MSD ^5

**Matrix: Water** 

Analysis Batch: 514468

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

**Eurofins Phoenix** 

Prep Batch: 514264

Prep Batch: 514264

# **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

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# **Lab Chronicle**

Client: Stantec Consulting Services, Inc.

Date Received: 12/10/24 15:02

Project/Site: Lordsburg Station

Lab Sample ID: 550-226754-1

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

Matrix: Water

Job ID: 550-226754-1

SDG: Lordsbuig, Nm

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Type	Method	Run	Factor	Number	Analyst	Lab	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 Lab Sample ID: 550-226754-2

Date Collected: 12/10/24 10:05 **Matrix: Water** 

Date Received: 12/10/24 15:02

	Batch	Batch		Dilution	Batch			Prepared
Prep Type	Туре	Method	Run	Factor	Number	Analyst	Lab	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

**Eurofins Phoenix** 

# **Accreditation/Certification Summary**

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

**Eurofins Phoenix** 

# **Method Summary**

Client: Stantec Consulting Services, Inc.

Project/Site: Lordsburg Station

Job ID: 550-226754-1

SDG: Lordsb
SDG: Lordsb

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

# **Chain of Custody Record**

💸 eurofins

Environment Testing America

2210754

Suite 189 Phoenix, AZ 85040-4807 phone 602.437.3340	Regu	latory Pro	ogram: [	™ow [	NPDFS	Г	]rcr/	<u>،</u> ا	つ2 ]Other:	de-	75	4								America Eurofins Environment Testing Amer	rica
		lanager:5						, _	Todici.											COC No:	
Client Contact	Email: St	eve . Ver	6405	TANTE	c.Con	Site	Con	tact:				Da	te: //	2/1	0/2	¥				of COCs	
Company Name STANTEC CONSULTING	Tel/Fax:	515-7	10-75	23			Conf					-	rrier:	-	'	/				TALS Project #:	Alexandra (
Address 11311 Aurora Ave		Analysis T				Т	90		TT			T	П	T	T	T			AND DESCRIPTION	Sampler. Chuck graves	
City/State/Zip Des Mo: nes , IA 50322	CALENI	DAR DAYS	WOF	KING DAY			200.8					1		and a second		1				For Lab Use Only:	
Phone 515 - 710 - 7523	TA	T if different fi	rom Below _			2	Chom; um					1								Walk-in Client:	
FAX		2	weeks	-		2 >	12						11		The same of the sa					Lab Sampling:	
Project Name: LorDsburg Station		i	week =	STD,		> 2	1 5					1									_
Site: Lordsburg, Kins		2	days -	TAT	2	ole (	0								1					Job / SDG No.:	
PO# 193710876		1	day	. , , ,		E O	3														_
			Sample			Sp	9								1				1		
	Sample	Sample	Type (C=Comp,		# of	Filtered Sample (Y/N) Perform MS/MSD (Y/N)	Dissolved												- The state of the		
Sample Identification	Date	Time	G=Grab)	Matrix	Cont.	EG	G	CONTRACTOR NO.				The state of the s			and the same	-	-	No. of Lot, Lot, Lot, Lot, Lot, Lot, Lot, Lot,		Sample Specific Notes:	***********************
ww#1	12/10/24	1005	G	W	1	41	X			**											
Dup-1 3	12/10/24		G	W	1	VA	)X		П			T	П		1	Π					
						T			TT			T	П		1	T					
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	1					1	T	$\vdash$	++	$+$ $\parallel$											-
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				20.							,										
Preservation Usert 4-16: 2-168; 3-169364; 4-1600	: 3-Maja	i – Olljer																			y.
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Ple		EPA Was	te Codes f	or the sa	mple in	S	ampl	e Dis	oosal (	A fee	may t	be as	sess	ed if	sam	ples	are	reta	ined	d longer than 1 month)	
the Comments Section if the lab is to dispose of the sample.	CONTRACTOR STREET					_															
Mon-Hazard Flammable Skin Irritant Special Instructions/QC Requirements & Comments:	Poison	В	Unkno	own	-		R	eturn to	Client	-		Disposa	l by La	b			Archiv	e for		Months	menunce
opecial institutions/go requirements a comments.															(	1		0	3	TU295	
					and the last spirit spirit		The Course	-									. (		_	11181	
Custody Seals Intact: Yes No	Custody S				1	.0	2	-	ooler T	emp. (	°C): O	bs'd:	WINDOWS		_ Cor	-	-		NAME OF TAXABLE PARTY.	Therm ID No.:	
Relinquished by:	Company:	ANTEC		Date/Ti 12/10 Date/Ti	me: 124	R	leceiv	ed by					1	Comp	oany:	4				Date/Time:	
Relinquished by:	Company:			Date/Ti	me.	R	ezeiv	ed by					- 0	Com	any:			-		Date/Time:	
Relinquished by:	Company:			Date/Ti	me:	F	eceiv	ed in	abora	tory by	<i>r</i> :			Comp	any:	PH	X	-	1	Date/Time: 12/10/24 15:02	
							NAME OF TAXABLE PARTY.	_						MARKET COMM			-	-		19-11-12-1	

### **Eurofins Phoenix Chain of Custody Record** 4625 East Cotton Center Boulevard Suite #189 Phoenix, AZ 85040



eurofins

	Loc. 550
=	226754

Received by OCD: 3/25/2025 12:15:41 PM

Phone: 602-437-3340													7.7												
Client Information (Sub Contract Lab)	Sampler N/A				РМ: II, Re	ebecc	a G						Carrie N/A	er Trac	king N	lo(s):				OC No: 50-411					
Shipping/Receiving	Phone: N/A			E-M Re	becc			Det.e.					State Arizo	of Orio	jin:					age: age 1	of 1				
Company: Eurofins Environment Testing Southwest,								Require a (US				na							55	b #: 50-22€					
Address: 2841 Dow Avenue, Suite 100	Due Date Request 12/26/2024	ed:							Δ	naly	ysis	Req	ues	ted					P	eserva	ation Co	odes:			
2841 Dow Avenue, Suite 100 City: Tustin	TAT Requested (d	ays): N/A			Contractuary Contractual	lno	Sill Sill Sill Sill Sill Sill Sill Sill											in contract of							
State, Zīp: CA, 92780					- Constitution	nelmina												es constitution of the second							
Phone: 714-895-5494(Tel)	PO#: N/A				10	notale	s e ca											1							
Email: N/A Project Name:	WO#: N/A																		2						
Project Name: Lordsburg Station	Project#: 55017982																		contain o						
Lordsburg Station Site: N/A	ssow#: N/A				Samp	(SD ()													אן ס	ther A					
			Sample Type	Matrix (w=water,	itered	Perform MS/MSD (Yes or No)													Number						
Counts Identification (Fort ID (Let ID)	Samula Data	Sample Time	(C=comp,	S=solid, O=waste/oil,	leld F	erfor	ren ren												Total	S	pecial	Inetri	ctions	iNote	,
Sample Identification - Client ID (Lab ID)	Sample Date		THE COMPANY OF THE PARTY OF THE	BT+Tisaue, Anali tion Code:	X	X		TO COM							rettus Suttes			Š	X.	Spiroter spiro		ACCUS.	5000		
WW# 1 (550-226754-1)	12/10/24	10:05 Arizona	G	Water			×												1						
Dup 1 (550-226754-2)	12/10/24	10:05 Arizona	G	Water	┸		×				<u> </u>			_			_		1					<u></u>	
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Address					-	$\vdash$	+		<u> </u>	╫	<del> </del>		$\dashv$	_		_									
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					-		$\dashv$										$\dashv$							***	
Note: Since laboratory accreditations are subject to change, Eurofins Environme laboratory does not currently maintain accreditation in the State of Origin listed a	nove for analysis/tes	ts/matrix beind	analyzed the	samples mus	st be s	niope	d back	c to the	Eurofin	ns Env	ironme	ant Tes	stina S	Southw	est L	LC lat	ocrator	rv or a	ither ii	nstructio	ons will o	e provid	iea. An	y cnang	gesto
accreditation status should be brought to Eurofins Environment Testing Southwe  Possible Hazard Identification	st, LLC attention imi	neciately. If al	i requested ac	creditations a	re cur																er than			3, 66	$\overset{\circ}{-}$
Unconfirmed							Ret	turn T	o Clie	nt		$\Box_{\mathcal{D}}$	ispos	al By					chive				<i>fonths</i>		
Deliverable Requested: I, II, III, IV Other (specify)	Primary Deliver	able Rank:	2		1	Spec	cial In	struc	บ่อกร/	QC R	equir	emer													
Empty Kit Relinquished by:  Relinquished by:	Date/Time:	Date:	i i	Company	Tir	ne: Ir	Receiv	ed by:			-1 -0	10		Metho		Date/1						Cor	npany		
Relincuished by:	Date/Time:	- 2	)	FFTA_P Company	HX		_	ed by	1	)	Ò	1	<u>×</u>	<u>ر</u>							001 c	Col	npany		
Relinquished by:	Date/Time;			Company		$\perp$		ed ty:	1/							/ ¿	ime: 2 / / ime:	2/º	24		095		npany		-
Custody Seals Intact: Custody Seal No.								Tempe	eature	(s) °C	and Ot	her Re	mark	s:				ì		<del>/</del> -				<u> </u>	
Δ Yes Δ No		<u>ii kainaan ii ii aan aan aan aan aan aan aan</u>		·						,				 	· · · · · ·			1	Τ,	/2			C/ - 10/10		











# **Login Sample Receipt Checklist**

Client: Stantec Consulting Services, Inc. Job Number: 550-226754-1

SDG Number: Lordsbuig, Nm

List Source: Eurofins Phoenix

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

Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>True</td> <td></td>	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.

Released to Imaging: 4/23/2025 3:46:06 PM

# **Login Sample Receipt Checklist**

Client: Stantec Consulting Services, Inc.

Job Number: 550-226754-1

SDG Number: Lordsbuig, Nm

12/17/2024

List Source: Eurofins Calscience

List Creation: 12/12/24 05:14 PM

Login Number: 226754 List Number: 2

Creator: Khana, Pivush

Creator: Khana, Piyush		
Question	Answer	Comment
Radioactivity wasn't checked or is = background as measured by a survey meter.</td <td>N/A</td> <td></td>	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	

**Eurofins Phoenix** 

# **APPENDIX D**

Data Collection Sheets - Groundwater

**Stanted** 



# **GROUNDWATER**

C	<b>Stan</b>	tec						LLECTIO WW#1	N RECORD
							T CII INU.	** ** #1	<u> </u>
Job No.:						Client		Natural Gas	Company
Location	: Lordsburg	g Station, Hida				Date:	3/12	124	
Weather	Conditions:	Clean	401/3	Sunn	1				
1. WA	TER LEVEL	DATA: (from				THE RESERVE TO SERVE			
a. f	Total Well Le	ength (h)		440 feet		Well D	iameter	14-	inch inner diamete
b. 1	Depth to Wate	er	9	2.4 Feet		Three '	Well Volu		gallon
c. 1	Length of Wa	ter Column	~	350 feet		One Sy	stem Volu	ime	
2. WEI	L PURGING	G DATA:							
a. Pı	arge Method	Dedicated	in-well sub	mersible j	pump				
b. Pu	rge Requirem	ients	Param	eter Stabi	lization (<10%	6 change/i	nterval ov	er three conse	cutive readings)
c. Fi	eld Testing E	quipment Used			arameter Mete				3.7
		Totalizer	Temp.	pН	Spec.Cond.	ORP	DO	Turbidity	
Time	DTW	Reading	(°C)	(s.u.) (*/-10%)	(μΩ/cm)	(mV)	(mg/L)	(NTU)	Color
09:15	(ft) 92.41	(gal)	(*/- 10%)	( 1076)	(+/- 10%)	(+/- 10%)	(N/A)	(N/A)	(visual)
09:38	92.41	1936,849	1390	8.24	354	71.6	4.31		Clear
09:43	114.12	1,937,047	22.90	9.52	457	75.3	4.26		
	123.36	1,937,142	23.51	9.51	460	83.0	4.10		
9:58	133.32	1,931,388		9.37	459 458	24.3	3.26		
10:03	135.90	1951 999	23.70	9.31	456	68.5	2.47		
	137.95	1,937,615	23.71	9.29	455	64.1	2.51		
	139.54	1,937,733		9.27	455	63.8	2.48		
, , ,	1101	4.3.70.0	27.10	11-0	733	6314	2.11		V
						_			
3. SAM	PLE COLLI	ECTION: Me	ethod		In	-well sub	mersible p	ump.	
Container T	ype: 250-mL via	d (1)	Pre_	servation: 1	NO3	Analys	is Req.: Chro	mium -dissolved	(EPA 300.8)
Container T	ype:								
Sample II	D #-	WW	41		Ti C		10:20		
Sample II	J#	WW	71		Time Sa	implea:	10.20		
					aulo (		-		
		Final Tota				937,94	1)		
	-	ollected = 1 D	uplicate (D	up-1), Tir	me: 01:00				
Field	Filtered? Y	/ N				,			
19	10				C	huck	graves	int Name)	
	Sample	er (Signature)					(Pr	int Name)	N

Page 1 of 1

0	Stant	tec					LE CO	UNDWATE LLECTION WW#1	
	-	Station, Hidal	- W			Client: Date:	El Paso	Natural Gas Co	ompany
Weather	Conditions:	Clear	Sun	ny					
а. Т b. I	TER LEVEL Total Well Ler Depth to Wate Length of Wat	er	92.	440 feet <b>59</b> feet		Three V	iameter Vell Volur stem Volu	mes	ch inner diamete gallon
a. Pu b. Pu	L PURGING  orge Method  orge Requirem  eld Testing E	Dedicated i	Parame	eter Stabi	lization (<10%			er three consecu	itive readings)
Time  0935  0945  0945  0950  1005  1005  1015  1020	DTW (ft)  92.59  111,18  119.62  129.21  129./3  130.30  133.08  134.21  135.91	Totalizer Reading (gal) 1971/98 1977/079 1977/193 1977/300 1977/42   1977/5/14 1977/6/5 1977/8/14		pH (s.u.) (*-10%) B. 09 9.13 9.17 9.15 9.12 9.08 9.06 9.06	Spec.Cond. (μΩ/cm) (+/-10%)  406  4(1  411  410  469  467  467  467  468  408	ORP (mV) (*-10%) 205.2 155.7 142.2 134.7 128.9 123.4 114.0 103.9 103.6	DO (mg/L) (N/A) 4,05 2.40 2.12 1.33 2.72 2.14 2.54 2.53 2.63 2.55	Turbidity (NTU) (N/A) Clear	Color (visual)
1020	7,00:71		7 29	, , ,	400				
Container 7	Type: 250-mL via		Рте	eservation:	NO3		is Req.: Chr	omium -dissolved (	EPA 300.8)
4. CON QA/	MMENTS:	Collected = 1 E				ampled:	10:20	)	
/ Field	Thered 1 Y					Chuck	Grav	1es	

Page 1 of 1

(Print Name)

MST

Sampler (Signature)

C	Stan	tec					PLE CO	OUNDWATE LLECTION WW#1	
		Station, Hida	lgo County			Client: Date:	El Paso	Natural Gas Co	ompany
a. b. c. d. c. d. v. d.	Total Well Le Depth to Wate Length of War  LL PURGING	er ter Column	<b>96.</b> 5	440 feet feet s50 feet		One Sy	Vell Volustem Volu	mes	ch inner diamete gallon
b. Pu	rge Requirem		Parame	eter Stabil		6 change/i	nterval ov	id August er three consecu	
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)
940 445 950 955 1005 1015 1010	137.41 159.21 202.16 226.22 251.36 278.16 285.13 296.62 306.11	1991146	24.05 24.10 24.00 24.03 24.14	9.11 9.04 8.90 8.91 8.71 8.75 8.75	491 486 482 479 477 475 473 473	-322.3 -323.5 -323.9 -322.1 -317.0 -317.7 -316.9 -317.2 -316.0	2.81 3.00 3.14 3.25 3.21 3.11 3.03 2.95	(tear	Clary
Container T	ype: 250-mL via	ECTION: Me	Pre	servation#1	NO3		s Req.: Chro	omium -dissolved (E	EPA 300.8)

Field Filtered X/N

Field Filtered X/N

Chuck Grave 5

Sampler (Signature)

(Print Name)

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

Page 1 of 1

0	Stantec	
	Juliece	

# GROUNDWATER SAMPLE COLLECTION RECORD

						7	Vell No.	WW#1	<u>·</u>
Job No.:	19370947	0				Client	: El Paso	Natural Gas Co	ompany
Location	: Lordsburg	Station, Hida	lgo County	, NM		Date:	12/10	124	
Weather	Conditions:	Clear	Sunny						
1. WAT	TER LEVEL	DATA: (fro							
а. Т	Total Well Le	ength (h)		440 feet		Well D	iameter	14-in	ch inner diamete
b. I	Depth to Wate	er	92.5	7 feet		Three '	Well Volu	mes	gallon
c. I	ength of Wa		~			One Sy	stem Volu		
2. WEL	L PURGING	C DATA:							
	rge Method	Dedicated	in well sub	marsible :	aum n				
						( 1 · · · · ·		.,,	
	rge Requirem						nterval ove	er three consecu	tive readings)
c. Fie	eld Testing E	quipment Use	d YSI 5	50 Multip	arameter Mete	er(S/N =		)	
CD1		Totalizer	Temp.	рН	Spec.Cond.	ORP	DO	Turbidity	
Time	DTW	Reading	(°C) (*/-10%)	(s.u.) (*/- 10%)	(μΩ/cm)	(mV)	(mg/L) (N/A)	(NTU) (N/A)	Color
09:21	(ft) 92,52	(gal) 1993382	( 10%)	10.0)	(+/- 10%)	(+10%)	( )	(IVA)	(visual)
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		1
09:40	159.44 184.30	1994049	23.53	9.62	493	-220.4	2.08		1
09:45	185.80	1994570	23.26	9.45	485	-215.1	2.39		· ·
	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	199.6D 202.84	1995320	23.35	9.34	481	-214.5	2.46		
	000.01	1110000	3.3	1.20	702	211.0	0 1		
				-		-			
					-	-			
3. SAM	PLE COLL	ECTION: M	ethod		It	n-well sub	mersible p	ump.	
			-				•	•	TDA 200 9)
	50.50	al (1)		,				omium -dissolved (E	
Container 1	урс.			servation.		Analys	is Req		
								•	
Sample II	D #:	WW	#1		Time S	ampled:	10:05	7	
	F3 FF3 1700								
	IMENTS:								
		Collected = 1 D	ouplicate (E	up-1), Ti	me: 01:00				
Field	Filtered? Y	/ N							
( ) (	m-	_			(	huck	grate	es	
	Sampl	er (Signature)						rint Name)	

# **APPENDIX E**

Data Validation Report

**Stantec** 

# **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.

**Data Validation Report** 

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# 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	Х		
Laboratory Control Sample/Duplicate Recovery Results	Х		
Precision			
Laboratory Control Sample/Duplicate RPD	Х		
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

Action 445455

### **CONDITIONS**

Operator:	OGRID:	
El Paso Natural Gas Company, L.L.C	7046	
1001 Louisiana Street Action Number:		
Houston, TX 77002	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 plannedand scheduled to sample for chromium in groundwater at the site. 3. Submit the abatement termination reportif achievableor submit the 2025 groundwater annual report to OCD by April 2025.	4/23/2025