

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

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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

Groundwate	er Samples				Depth to	Primary Sample	Field Duplicate
Description	Well ID	Sample ID	Lab ID	Sample Date	Water	Dissolved ¹ Ch	romium 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:

¹Sample 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



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

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GIS-NEW_MXDs\LORDSBURG STATION\2023 MAPS\LORDSBURG



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



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

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APPENDIX B

NMOCD Site Activity Notifications



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

Hi Nelson -

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

Thank you, Steve

Stephen Varsa, P.G., R.G.

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

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From:	Wells, Shelly, EMNRD
То:	<u>Varsa, Steve</u>
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<u>Shelly.Wells@emnrd.nm.gov</u>

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:	Varsa, Steve
То:	OCD.ENVIRO@EMNRD.NM.GOV
Cc:	<u>Stavinoha, Doug</u>
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:	Varsa, Steve
То:	OCD.ENVIRO@EMNRD.NM.GOV
Cc:	<u>Stavinoha, Doug</u>
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



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



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

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

Generated

3/18/2024 12:49:58 PM

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Definitions/Glossary

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

Qualifiers

Qualitiers		3
<mark>Metals</mark> Qualifier	Qualifier Description	4
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	8
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis	0
%R	Percent Recovery	
CFL	Contains Free Liquid	
CFU	Colony Forming Unit	0
CNF	Contains No Free Liquid	0
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	9
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)	13
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Case Narrative

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

Job ID: 550-215497-1

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Job ID: 550-215497-1

hoenix

Eurofins Phoenix

Eurofins	Ρ
n/Certificatio	n (

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation 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.

Job Narrative

550-215497-1

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

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

Receipt

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

Metals

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

Sample Summary

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

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

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

Detection Summary

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

Job ID: 550-215497-1

Analyte Chromium Client Sample ID: Dup-1 Analyte Chromium	0.036 Result	Qualifier	RL 0.0010	MDL 0.00043		Dil Fac	D	Method 200.8 LL	Prep Type Dissolved
Client Sample ID: Dup-1	Result		0.0010	0.00043	mg/L	1		200.8 LL	Dissolved
Analyte									Biocontou
		• •••				Lab) S	ample ID:	550-215497-
Chromium	0.000	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
	0.038		0.0010	0.00043	mg/L	1		200.8 LL	Dissolved

This Detection Summary does not include radiochemical test results.

		Client	t Sample I	Results	;					
Client: Stantec Consulting Services, Ir Project/Site: Lordsburg Station, NM	1C.							Job ID: 550-2	15497-1	
Client Sample ID: WW#1 Date Collected: 03/12/24 10:20 Date Received: 03/12/24 15:30							Lab Samp	le ID: 550-21 Matri	5497-1 x: Water	
Method: EPA 200.8 LL - Metals (ICP Analyte		lved Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	4 5
Chromium	0.036		0.0010	0.00043	mg/L		03/14/24 06:13	03/15/24 20:33	1	6
Date Collected: 03/12/24 00:00 Date Received: 03/12/24 15:30 Method: EPA 200.8 LL - Metals (ICP Analyte		Ived Qualifier	RL	MDL	Unit	D	Prepared	Matri	x: Water	7 8
Chromium	0.038		0.0010	0.00043	mg/L		03/14/24 06:13	03/15/24 20:35	1	9 10 11

Eurofins Phoenix

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Method: 200.8 LL - Metals (ICP/MS)

Job ID: 550-215497-1

3 4 5

	8	3
)
		3

Lab Sample ID: MB 550-317428/1-A											Client Sa	mple ID: N	lethod	Blank
Matrix: Water												Prep T	ype: To	tal/NA
Analysis Batch: 317635												Prep B	atch: 3	17428
		MB	MB											
Analyte	R	esult	Qualifier		RL	MDL	Unit		D	P	repared	Analyze	d	Dil Fac
Chromium		ND	E8	0.00	10 0.	00043	mg/L		_	03/1	4/24 06:13	03/15/24 2	0:15	1
- Lab Sample ID: LCS 550-317428/2-A									С	lient	Sample	ID: Lab Co	ntrol S	ample
Matrix: Water												Prep T	pe: To	tal/NA
Analysis Batch: 317635												Prep B	atch: 3	17428
-				Spike	LCS	LCS						%Rec		
Analyte				Added	Resul	t Qua	lifier	Unit		D	%Rec	Limits		
Chromium				0.100	0.0959)		mg/L			96	85 - 115		
- Lab Sample ID: LCSD 550-317428/3-	A							CI	lient	Sam	ple ID: La	ab Control	Samp	e Dup
Matrix: Water												Prep T		
Analysis Batch: 317635												Prep B		
				Spike	LCSI	LCS	D					%Rec		RPD
				-										
Analyte				Added	Resu	t Qua	lifier	Unit		D	%Rec	Limits	RPD	Limit
Analyte				Added	0.10		lifier	Unit mg/L		<u>D</u>	%Rec	Limits 85 - 115	RPD 5	Limit 20
Chromium	 S						lifier			<u>D</u>	101	85 - 115	5	20
	s						lifier			<u>D</u>	101	85 - 115 Sample ID:	5 Matrix	20 Spike
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water	S						lifier			<u>D</u>	101	85 - 115 Sample ID: Prep Typ	5 Matrix be: Diss	20 Spike solved
Chromium Lab Sample ID: 550-215551-C-1-A M	S Sample	Sam			0.10		lifier			<u>D</u>	101	85 - 115 Sample ID:	5 Matrix be: Diss	20 Spike solved
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water				0.100	0.10 ⁻ M:	<u> </u>				D	101	85 - 115 Sample ID: Prep Typ Prep B	5 Matrix be: Diss	20 Spike solved
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water Analysis Batch: 317635	Sample	Qual		0.100 Spike	0.10 ⁻ M:	6 MS t Qua		mg/L			101	85 - 115 Sample ID: Prep Typ Prep B %Rec	5 Matrix be: Diss	20 Spike solved
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water Analysis Batch: 317635 Analyte Chromium	Sample Result ND	Qual		0.100 Spike Added	0.10 MS Resul	6 MS t Qua		mg/L Unit mg/L	Clie		101 Client S <u>%Rec</u> 94	85 - 115 Sample ID: Prep Typ Prep B %Rec Limits 70 - 130	5 Matrix be: Diss atch: 3	20 Spike solved
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water Analysis Batch: 317635 Analyte	Sample Result ND	Qual		0.100 Spike Added	0.10 MS Resul	6 MS t Qua		mg/L Unit mg/L	Clie		101 Client S <u>%Rec</u> 94	85 - 115 Sample ID: Prep Typ Prep B %Rec Limits 70 - 130 Matrix Sp	5 Matrix be: Diss latch: 3 ike Dup	Spike solved 17428
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water Analysis Batch: 317635 Analyte Chromium Lab Sample ID: 550-215551-C-1-B M Matrix: Water	Sample Result ND	Qual		0.100 Spike Added	0.10 MS Resul	6 MS t Qua		mg/L Unit mg/L	Clie		101 Client S <u>%Rec</u> 94	85 - 115 Sample ID: Prep Typ Prep B %Rec Limits 70 - 130 Matrix Sp Prep Typ	5 Matrix be: Dise atch: 3 ike Dup be: Dise	Spike solved 17428
Chromium Lab Sample ID: 550-215551-C-1-A M Matrix: Water Analysis Batch: 317635 Analyte Chromium Lab Sample ID: 550-215551-C-1-B M	Sample Result ND	Qual E8	ifier	0.100 Spike Added	0.10 M: Resul 0.093	5 MS t Qua	lifier	mg/L Unit mg/L	Clie		101 Client S <u>%Rec</u> 94	85 - 115 Sample ID: Prep Typ Prep B %Rec Limits 70 - 130 Matrix Sp	5 Matrix be: Dise atch: 3 ike Dup be: Dise	Spike solved 17428

0.100

0.0954

mg/L

ND E8

QC Sample Results

95

70 - 130

2

20

Chromium

QC Association Summary

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

Prep Batch: 317428

Metals

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	
_CS 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	
nalysis Batch: 317635					
	Client Sample ID	Ргер Туре	Matrix	Method	Prep Batch
Lab Sample ID		Prep Type Dissolved	Matrix Water	Method	Prep Batch 317428
Lab Sample ID 550-215497-1	Client Sample ID				
Lab Sample ID 550-215497-1 550-215497-2	Client Sample ID WW#1	Dissolved	Water	200.8 LL	317428
Lab Sample ID 550-215497-1 550-215497-2 MB 550-317428/1-A	Client Sample ID WW#1 Dup-1	Dissolved	Water Water	200.8 LL 200.8 LL	317428 317428
Lab Sample ID 550-215497-1 550-215497-2 MB 550-317428/1-A _CS 550-317428/2-A	Client Sample ID WW#1 Dup-1 Method Blank	Dissolved Dissolved Total/NA	Water Water Water	200.8 LL 200.8 LL 200.8 LL	317428 317428 317428 317428
nalysis Batch: 317635 Lab Sample ID 550-215497-1 550-215497-2 MB 550-317428/1-A LCS 550-317428/2-A LCSD 550-317428/3-A 550-215551-C-1-A MS	Client Sample ID WW#1 Dup-1 Method Blank Lab Control Sample	Dissolved Dissolved Total/NA Total/NA	Water Water Water Water	200.8 LL 200.8 LL 200.8 LL 200.8 LL	317428 317428 317428 317428 317428

Lab Chronicle

Job ID: 550-215497-1

Matrix: Water

Matrix: Water

Lab Sample ID: 550-215497-1

Lab Sample ID: 550-215497-2

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

Client Sample ID: WW#1 Date Collected: 03/12/24 10:20 Date Received: 03/12/24 15:30

Γ	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 Date Collected: 03/12/24 00:00 Date Received: 03/12/24 15:30

	Batch	Batch		Dilution	Batch			Prepared
Ргер Туре	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

Job ID: 550-215497-1

Accreditation/Certification Summary

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

Laboratory: Eurofins Phoenix

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

AuthorityProgramIdentification NumberExpiration DateArizonaStateAZ072806-10-24

Method Summary

Job ID: 550-215497-1

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

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

		57	2					
Date The: JY 15.30	CEPETA PHY	Received In Laboratory by:	Date/Time:		ıy:	Company:	Relinquished by:	Relinqu
Date/Time:	Company:	Received by:	Date/Time:		IV.	Company.	Returduished by:	Relinqu
Date/Time.	company:	Received by:	12 24 L	ن ه	IV. TEC	Company:	Relitionisped by: MU	Relition
Therm ID No.:		Cooler Temp. (°C): Obs'd:	3		Custody Seal No.:	Custody	Systody Seals/Intact: 🗍 Yes 🗌 No	Cysto
								Specia
or Months	Chisposal by Lab	Return to Client		Unknown	on B	Poison B	Non-Hazard Flammable Skin Irritant	Mor
			Please List any EPA Waste Codes for the sample in ple.	te Codes for	ny EPA Was	lease List a e.	Are any samples from a listed EPA Hazardous Waste? Ple the Comments Section if the lab is to dispose of the sample.	Are any the Cor
tained longer than 1 month)	assessed if samples are re-	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)					· ·	Possib
					H; 6= Other	03) 5=Na0	Preservation Used: 1= Ice, 2= HCI; 3= H2SO4 4=HNO3; 5=NaOH; 6= Other	Presen
stody	550-215497 Chain of Custody							
		NX - DX	WIY		1	3/12/24	Cup-1	Z
		NX -DI	W I Y	-	24 10:20	3 12/2	WW#1	K
Sample Specific Notes:		Perform 1	Matrix Cont. Filtered S	Sample Type (C=Comp, G=Grab)	Sample Time	Sample Date	Sample Identification	
		_		1 day	1		# 1057302	РО #
Job / SDG No.:		usd ss.l		1 week 2 days	1		Project Name Lordsburg STATION, N.M. Site:	Project Site:
Lab Sampling:		(YI	YN)	2 weeks	2			FAX
Walk-in Client:			, TAT	TAT if different from Below STD . TAT	AT if different fr		-710-7523	Phone
For Lab Use Only:		~~~	NG DAYS	WORKING DAYS	CALENDAR DAYS		City/State/Zip Des Moines IA 50322	City/Sta
Sampler with graves		.act.		Analvsis Turnaround Time		CALL CIT OV.		Address
TALS Project #:	Date: 3 /12/24		T	Email: Steve VARSA @STRATEC. Con	teve VAR	_	Client Contact	Compa
•				Teve VARSA	Project Manager:	Project		
Eurofins Environment Testing Americ	Lbhslo	RCRA Other:	WPDES	gram: DW	Regulatory Program:	Reg	Phoenix, AZ 85040-4807 phone 602.437.3340	Phoenix phone 6
eurofins Environment Testing	40° 500	Chain of Custody Record	Chain o				Eurofins Phoenix 4625 East Cotton Center Boulevard Suite 189	Eurofin: 4625 East Suite 189
				1				
				3		9	2 3 4 5 7 8	

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

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Client: Stantec Consulting Services, Inc.

Login Number: 215497 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	

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List Source: Eurofins Phoenix

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

See page two for job notes and contact information



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Page 1 of 15

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Job Notes

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

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

Authorization

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

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

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Detection Summary	7
Client Sample Results	8
QC Sample Results	9
QC Association Summary	10
Lab Chronicle	11
Certification Summary	12
Method Summary	13
Chain of Custody	14
Receipt Checklists	15

Definitions/Glossary

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

Job ID: 550-219005-1

Qualifiers

Qualifiers			3
Metals		_	
Qualifier	Qualifier Description		
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.		
Glossary			5
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		0
CNF	Contains No Free Liquid		Ο
DER	Duplicate Error Ratio (normalized absolute difference)		
Dil Fac	Dilution Factor		9
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)		13
MDC	Minimum Detectable Concentration (Radiochemistry)		
MDL	Method Detection Limit		
ML	Minimum Level (Dioxin)		
MPN	Most Probable Number		
MQL	Method Quantitation Limit		
NC	Not Calculated		
ND	Not Detected at the reporting limit (or MDL or EDL if shown)		
NEG	Negative / Absent		
POS	Positive / Present		
PQL	Practical Quantitation Limit		
PRES	Presumptive		
QC	Quality Control		
RER	Relative Error Ratio (Radiochemistry)		

- RL Reporting Limit or Requested Limit (Radiochemistry)
- RPD Relative Percent Difference, a measure of the relative difference between two points
- TEF Toxicity Equivalent Factor (Dioxin)
- Toxicity Equivalent Quotient (Dioxin) TEQ
- Too Numerous To Count TNTC

Case Narrative

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

Job ID: 550-219005-1

Eurofins Phoenix

Job ID: 550-219005-1

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.

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Sample Summary

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

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Lab Sample ID Client Sample ID Matrix Collected Recei	
	ived
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

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

Detection Summary

5-1

Client Sample ID: WW #1						Lab Sa	mple ID: 5	50-219005-1	
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Туре	
Chromium	0.041		0.0010	0.00043	mg/L	1	200.8 LL	Dissolved	
Client Sample ID: DUP-1						Lab Sa	mple ID: 5	50-219005-2	5
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Ргер Туре	6
Chromium	0.042		0.0010	0.00043	mg/L	1	200.8 LL	Dissolved	U
									8
									Q
									13

Client Sample Results

Job ID: 550-219005-1

Matrix: Water

Lab Sample ID: 550-219005-1

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

Client Sample ID: WW #1 Date Collected: 05/29/24 10:20 Date Received: 05/29/24 15:13

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa	
Chromium	0.041		0.0010	0.00043	mg/L	05/30/24 05:09 05/31/24			13:34 1	
Client Sample ID: DU	P-1					La	b Sample	ID: 550-219	005-2	
Date Collected: 05/29/24 0	1:00						-	Matrix:	Wate	
Date Received: 05/29/24 1	5:13									
_ Method: EPA 200.8 LL - I	Metals (ICP/MS) -	Dissolved								
Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fa	
Chromium	0.042		0.0010	0.00043	ma/l		05/30/24 05:09	05/31/24 13:36	-	

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5 6

QC Sample Results

Job ID: 550-219005-1

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

Method: 200.8 LL - Metals (ICP/MS)

Lab Sample ID: MB 550-32	1668/1-A						0	Clier	nt Sam	ple ID: Me		
Matrix: Water										Prep Typ		
Analysis Batch: 321790										Prep Ba	tch: 3	21668
		MB MB										
Analyte		Sult Qualifier	RL		MDL Unit		<u>D</u>		epared	Analyz		Dil Fac
Chromium		ND E8	0.0010	0.00	0043 mg/L		()5/30/	/24 05:09	05/31/24	12:27	1
Lab Sample ID: LCS 550-3	21668/2-A					Cli	ent	Sam	ple ID:	Lab Con	trol S	ample
Matrix: Water									·	Prep Typ		
Analysis Batch: 321790										Prep Ba		
			Spike	LCS	LCS					%Rec		
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits		
Chromium			0.100	0.0981		mg/L			98	85 - 115		
Lab Sample ID: LCSD 550-	321668/3-A				C C C C C C C C C C C C C C C C C C C	Client S	amı	ole II	D: Lab	Control S	Sampl	e Dur
Matrix: Water										Prep Typ		
Analysis Batch: 321790										Prep Ba		
			Spike	LCSD	LCSD					%Rec		RPD
Analyte			Added	Result	Qualifier	Unit		D	%Rec	Limits	RPD	Limi
Chromium			0.100	0.0973		mg/L			97	85 - 115	1	20
Lab Sample ID: 550-21897	6-D-2-A MS							Clie	ent San	nple ID: N	Natrix	Spike
Matrix: Water										· Prep Type		
Analysis Batch: 321790										Prep Ba	tch: 3	21668
	Sample	Sample	Spike	MS	MS					%Rec		
Analyte	Result	Qualifier	Added	Result	Qualifier	Unit		D	%Rec	Limits		
Chromium	0.014		0.100	0.139		mg/L			125	70 - 130		
Lab Sample ID: 550-21897	6-D-2-B MSI)				Client	t Sa	mple	e ID: Ma	atrix Spik	e Dur	olicate
Matrix: Water		-				U lion				Prep Type		
										Prep Ba		
Analysis Dalch: 321/90		. .	0	MOD	MSD					%Rec		RPD
Analysis batch: 321790	Sample	Sample	Spike	10120	10130					/01100		
Analysis Batch: 321790 Analyte	•	Sample Qualifier	Spike Added		Qualifier	Unit		D	%Rec	Limits	RPD	Limit

QC Association Summary

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

Metals

Prep Batch: 321668

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

Analysis Batch: 321790

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

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Job ID: 550-219005-1

Lab Chronicle

Job ID: 550-219005-1

Matrix: Water

Matrix: Water

Lab Sample ID: 550-219005-1

Lab Sample ID: 550-219005-2

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

Client Sample ID: WW #1 Date Collected: 05/29/24 10:20 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 13:34

Client Sample ID: DUP-1 Date Collected: 05/29/24 01:00 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 Morg	•		300 10. 330-2	2
_aboratory: Eurofir	ns Phoenix			
he accreditations/certification	s listed below are applicable to this report.			
Authority	Program	Identification Number	Expiration Date	
Arizona	State	AZ0728	06-09-24	5
				6

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

4625 Eas Suite 189		6		1	13 13	hain	of	Cu	ısto	dy F	Rec	orc	1					(S)	eur	ofins	68 ment Testin	MTS 5/29/24 g
	AZ 85040-4807 02.437.3340	Regu	latory Pro	ogram: r					A 🗆	0 44				c	0	~			E.	urofins Environment Te	cting Amoria	
		Project N	lanager: 5	teve va	rsA-		ן ו	ксю	ч <u>Г</u>	Uther:		C	21	91	00-	2			_	OC No:	Sung Americ	7
	Client Contact	Email:St	EVE . VAr	SA@ STI	INTEC.	Com	Site	e Con	tact:				Date	e: 5	29	24		_			OCs	-
Company	y Name Stantec	Tel/Fax:	515-7	10-752	-3			Cont					Car						T/	ALS Project #:		-
City/State Phone FAX Project N Site: Lo	1311 Avrora Ave erzip Des Moines, IA 50322 515-251-1020 Vame: Kinder Morgan ordsburg station	CALEN	1	WOR rom Below weeks week	TD		Filtered Sample (Y / N)	(CHEOMILEN-	æ.&)										FC W La	ampler: Chuck 9 or Lab Use Only: /alk-in Client: ab Sampling:	fraves	
PO# 1	057302		1	day			du	red 1	2										F			-
	Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sa	Disso lved	E 14											Sample Specific	Notes:	1
WW	1#1	5/29/20	1020	G	W	1	Y,	JX			01	7442-1879/ Suma										
Duf		5/20 hr	0100	G	W	1		NX		F	<u>*</u> 1		++	+	+	┝╌┼		┝╌┤	+			-
								-	i0-2190	05 Ch	ain of	f Cust	odv				-					-
							Ш	+					ouy				_					
																		$[\top]$				
Possible Are any s the Comr	Instructions/QC Requirements & Comments:	ase List an	y EPA Was		or the sa	and the second se	n		le Disp		A fee		be ass				es arc			longer than 1 month)	
Special I MP	L cr <0.05 mg/L																					
	Seals Mact: Yes K No	Custody S							Co	oler Te	emp. ((°C): 0	bs'd:			Corr	d:		T	herm ID No.:		-
	shed by:	Company			Date/T		121		ved by: 2						Compa					ate/Time:		
Relinquis	-	Company			Date/1	ime:		Receiv	ved by:						Compa	any:			D	ate/Time:		
Relinquis	shed by:	Company	:		Date/T	îme:	7	Receiv	ved in L	aborat	ory by	1		0	omp		D	НХ	D	$\frac{1}{5}/29/24$	1510	1

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Job Number: 550-219005-1

List Source: Eurofins Phoenix

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Login Number: 219005 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> <td></td>	True		
The cooler's custody seal, if present, is intact.	True		i
Sample custody seals, if present, are intact.	True		
The cooler or samples do not appear to have been compromised or tampered with.	True		ĺ
Samples were received on ice.	True		ł
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		ļ
Samples are received within Holding Time (excluding tests with immediate HTs)	True		
Sample containers have legible labels.	True		
Containers are not broken or leaking.	True		
Sample collection date/times are provided.	True		
Appropriate sample containers are used.	True		
Sample bottles are completely filled.	True		
Sample Preservation Verified.	True		
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True		
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True		
Multiphasic samples are not present.	True		
Samples do not require splitting or compositing.	True		
Residual Chlorine Checked.	N/A		

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



Generated

10/1/2024 12:31:19 PM

5 6 7

12 13

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

Reell N

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

10/1/2024

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Definitions/Glossary

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

Job ID: 550-223300-1

3

Q	ual	lifi	ers
_			

Metals Qualifier	Qualifier Description	
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¤	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	0
CNF	Contains No Free Liquid	8
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	9
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)	13
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Case Narrative

Job ID: 550-223300-1

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

Job ID: 550-223300-1

Eurofins Phoenix

Job Narrative 550-223300-1

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

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

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

Receipt

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

Metals

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

Sample Summary

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

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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

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

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

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

This Detection Summary does not include radiochemical test results.

Eurofins Phoenix

Detection Summary

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 San	nple ID: 5	50-223300-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac D	Method	Prep Type
Chromium	33		2.0	0.14	ug/L		200.8	Total

Recoverable

		Client San	nple F	Result	ts				
Client: Stantec Consulting Service Project/Site: Lordsburg Station	s, Inc.							Job ID: 550-22	23300-1
Client Sample ID: WW #1						La	ab Sample	ID: 550-223	3300-1
Date Collected: 09/10/24 10:20								Matrix	: Water
Date Received: 09/10/24 14:20									
Method: EPA 200.8 - Metals (IC	P/MS) - To	tal Recoverable							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	34		2.0	0.14	ug/L		09/30/24 06:55	09/30/24 15:36	1
Client Sample ID: Dup-1						La	ab Sample	ID: 550-223	3300-2
Date Collected: 09/10/24 01:00								Matrix	: Water
Date Received: 09/10/24 14:20									
Method: EPA 200.8 - Metals (IC	P/MS) - To	tal Recoverable							
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	33		2.0	0.14				09/30/24 16:10	

Eurofins Phoenix

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		QC	Samp	ole Resi	ults						
lient: Stantec Consulting Se roject/Site: Lordsburg Statio			-						Job ID: 5	50-223	300-1
lethod: 200.8 - Metals											
Lab Sample ID: MB 570-48	<u>, , , , , , , , , , , , , , , , , , , </u>						Clic	ont Sam	ple ID: M	ethod	Blank
Matrix: Water	0000/1-A								pe: Total		
Analysis Batch: 486301									Prep Ba		
·····,···		MB MB									
Analyte	Re	sult Qualifier		RL	MDL Unit		D P	repared	Analy	zed	Dil Fa
Chromium		ND E8		2.0	0.14 ug/L		09/3	80/24 06:5	5 09/30/24	15:58	
Lab Sample ID: LCS 570-4	86005/2-A					Cli	ent Sai	mple ID	: Lab Cor	ntrol Sa	ample
Matrix: Water							F	Prep Ty	pe: Total	Recove	erabl
Analysis Batch: 486301									Prep Ba	atch: 4	8600
			Spike	_	LCS				%Rec		
Analyte			Added		Qualifier	Unit	D	%Rec	Limits		
Chromium			80.0	85.8		ug/L		107	85 - 115		
Lab Sample ID: LCSD 570-	-486005/3-A	L			C	Client S			Control		
Matrix: Water							F	Prep Ty	pe: Total		
Analysis Batch: 486301									Prep Ba	atch: 4	
			Spike	_	LCSD		_	~ -	%Rec		RP
Analyte			Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Chromium			80.0	83.7		ug/L		105	85 - 115	3	20
Lab Sample ID: 550-22330	0-1 MS							Clie	nt Sampl	e ID: V	w #′
Matrix: Water							F	Prep Ty	pe: Total	Recove	erabl
Analysis Batch: 486301									Prep Ba	atch: 4	8600
	Sample		Spike	-	MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Chromium	34		80.0	117		ug/L		103	80 - 120		
Lab Sample ID: 550-22330	0-1 MSD							Clie	nt Sampl	e ID: V	W #
Matrix: Water							F	Prep Ty	pe: Total	Recove	erabl
Analysis Batch: 486301									Prep Ba	atch: 4	8600
	•	Sample	Spike	MSD	MSD				%Rec		RPI
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits	RPD	Lim
Chromium	34		80.0	123		ug/L		111	80 - 120	5	2
Lab Sample ID: 550-22330	0-2 MS							Cli	ent Samp	ole ID: I	Dup-′
Matrix: Water							F	Prep Ty	pe: Total	Recove	erabl
Analysis Batch: 486301									Prep Ba	atch: 4	8600
	Sample	-	Spike		MS				%Rec		
Analyte		Qualifier	Added		Qualifier	Unit	D	%Rec	Limits		
Chromium	33		80.0	119		ug/L		108	80 - 120		
Lab Sample ID: 550-22330	0-2 MSD							Cli	ent Samp	ole ID: I	Dup-'
Matrix: Water							F		pe: Total		
Analysis Batch: 486301									Prep Ba		
-	Sample	Sample	Spike	MSD	MSD				%Rec		RPI
Analyte		Qualifier	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limi
Chromium	33		80.0	115		ug/L		103	80 - 120		20

QC Association Summary

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

Metals

Prep Batch: 486005

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

Analysis Batch: 486301

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

Job ID: 550-223300-1

Lab Chronicle

Job ID: 550-223300-1

Matrix: Water

Matrix: Water

Lab Sample ID: 550-223300-1

Lab Sample ID: 550-223300-2

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

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 Date Collected: 09/10/24 01:00 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 16:10

Laboratory References:

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

Eurofins Phoenix

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

Accreditation/Certification Summary

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

Laboratory: Eurofins Calscience

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

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

Eurofins Phoenix

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

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Method Summary

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

Job ID: 550-223300-1

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

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

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

Eurofins Phoenix 4625 East Cotton Center Boulevard Suite 189	ţa:	Ch	ain	of (Custody	Rec	ord					<u>.</u>	eu	rofins	Envi	ronment Tes rica
Phoenix, AZ 85040-4807 phone 602.437.3340		gram: Dw	NPDES		RCRA Other	c	22	.33	50)			-	urofins En	vironme	nt Testing Am
	Project Manager: 5-			0.1			-	Date: C					-		of I	COCs
Client Contact	Email Steve. VAR	JAC STANTEC	. con	Site (Contact:				_	14						_ 0003
Company Name Stantec	Tel/Fax: 515 -71			Lab	Contact:			Carrier		1 1	_	1 1	_	ALS Proje	ect #:	-
Address 11311 Aurora Ave		urnaround Time												Sampler: For Lab Us	o Only	
City/State/Zip Des Moines IA 50322	CALENDAR DAYS	WORKING DAYS		_										Valk-in Cli		[
Phone 515-710-7523	TAT if different fro			(N) Y / N)	5									ab Sampli		
FAX		weeks		지거	Chemiun									ab Sampi	ng.	L
Project Name: Lordsburg Station		week STD		Σ g	an									ob / SDG	No.	
Site: LorDsburg, NM PO# 193710418 100.002		days TAT		/ M	3 C								1	OD / SDG	NO	
FO# 13710919 100.00 C		day Sample		MS				2								
		Туре		Ed.	0											
Sample Identification	Sample Sample Date Time	(C=Comp, G=Grab) Matrix	# of Cont.	Filtered Sample (Y / N)	2									Sam	ple Spe	cific Notes:
WW#I	9/10/24/1020	GW	(Y N		+ 6	21							andan anda farahida ya Konunaadidan -	the ng mahakaliphakan hari, kasari di a	
	9/10/24 0100	6 N		YN	X		1									
Dup-1	1/10/24 0100	(g N		/ ••						+		+				
										+		+-+				
and a second																
							_			+						
						-++			- 11							
			1													
									-							
								_	- 55	0-223	300 C	hain c	of Cu	stody		
						-+-+				1 1		1 1				
			1 h													
															In the second second	and the second se
Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HN	103; 5=NaOH; 6= Other													longer (h		an the l
Possible Hazard Identification:		e Codes for the sar	mple in		mple Disposal	(A fee i	nay b	assess	sed if	samp	les ar	e reta	ained	longer th	an 1 mo	onth)
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F	Please List any EPA Wast	te Codes for the sar	mple in		mple Disposal	(A fee i	nay b	assess	sed if	samp	les ar	e reta	ained	longer th	an 1 mo	onth)
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F the Comments Section if the lab is to dispose of the samp	Please List any EPA Wast ple. Poison B	te Codes for the sar	mple in		mple Disposal	(A fee i				samp		re reta		longer th		onth)
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F the Comments Section if the lab is to dispose of the samp	Please List any EPA Wast ple. Poison B		mple in			(A fee i		e assess		samp						onth)
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F the Comments Section if the lab is to dispose of the samp Non-Hazard Flammable Skin Irritant	Please List any EPA Wast ple. Poison B		mple in			(A fee i				samp				Mon	ths	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F the Comments Section if the lab is to dispose of the samp Non-Hazard Flammable Skin Irritant	Please List any EPA Wast ple. Poison B	Unknown			Return to Client	(A fee n	Dois	posal by La	ab	_ Corr	Arc			Mon	ths	5 UP ()
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F the Comments Section if the lab is to dispose of the samp Mon-Hazard Flammable Skin Irritant Special Instructions/QC Requirements & Comments:	Please List any EPA Wast ple. Poison B	Unknown			Return to Client		Dois	posal by La		_ Corr	Arc			Mon	ths	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? F the Comments Section if the lab is to dispose of the samp Non-Hazard Flammable Skin Irritant Special Instructions/QC Requirements & Comments:	Please List any EPA Wast ple. Poison B	Unknown	ime:142	8 Re	Return to Client		Dois	posal by La s'd:	ab	_Corr' any:	Arc			Mon	ths	

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Eurofins Phoenix			Ch	ain d	of Ci	ist	ody	Rec	ord						eurofins	
4625 East Cotton Center Boulevard															Envir	onment Testin
Suite 189															Ame	ica
Phoenix, AZ 85040-4807	De sudata se Des								_						Eurofine Environment	4 T antin a Amania
phone 602.437.3340	Regulatory Pro			NPDES	RCR	A	Other:	(22	13	301	5			Eurofins Environmer	t Testing Americ
	Project Manager:															0000
	Email Steve. VAR	SAC ST	ANTEC								9/10	124			of	_ COCs
Company Name Stantec	Tel/Fax: 515 - 71				ab Con	tact:				Carrie	er:				TALS Project #:	
Address 1/311 Aurora Ave	Analysis Tu														Sampler: For Lab Use Only:	
City/State/Zip Des Moines IA 50322 Phone 515-710-7523	CALENDAR DAYS		KING DAY		-										Walk-in Client:	[
FAX	TAT if different fro														Lab Sampling:	
Project Name: Lordsburg Station		weeks week 📿	-7		MSD (Y/N)										Lab Gamping.	L
Site: Lordshurg Alm			TD	1	L ISD										Job / SDG No.:	
Site: LorDsburg, NM PO# 193710418 100.002	1	day T	AT													
		Sample			N Wi											
	Commite Commite	Туре			N OT C											
Sample Identification	Sample Sample Date Time	(C=Comp, G=Grab)	Matrix	# of Cont.	Perform MS / MSD (Y / N)										Sample Spec	ific Notes:
	- Carl Day Star Law	1. A. A. A.		- 10 - T. V. A.	-	55. J 3								++		
WW#1	9/10/24/1020	G	W	· /	NX			+ 1	21					+		
Dup-1	9/10/24 0100	6	W	1 3	V N X				22						-	
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											<u> </u>					
														11	1	
Preservation Used: 1= Ice, 2= HCI; 3= H2SO4; 4=HNO3;	; 5=NaOH; 6= Other	Sex E. S.	1. 24	748A-1											ined longer than 4	- 4h)
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Plea	se List any FPA Wast	e Codes fo	or the sa	mole in	Samp	ie Di	sposal	(A fee	may be	e asse	ssed li	samp	nes ar	e reta	ined longer than 1 mo	nun)
the Comments Section if the lab is to dispose of the sample.	to Locary Er Arras			pio in												
Non-Hazard	Poison B	Unkno	wn			leturn	to Client		Mois	sposal by	Lab		Arc	hive for_	Months	
Special Instructions/QC Requirements & Comments:	•								-							
\cap															29ºCLICE	1000
Custody Seals Intact: Yes No	Custody Seal No.:						Cooler T	ſemp. (^c	°C): Ob	s'd:		_ Cori			Therm ID No.:	
	Company: Compan				Recei	ved b	oy:				Com	pany:	•		Date/Time:	
				1	The state	und l-					Com	0.000			Date/Time:	
Relinquished by:	Company:		Date/Ti	me.	Recei	veab	y.				Com	party.			Date/ Infle.	
	1							CEETA PHX								
Relinquished by:	Company:		Date/Ti	me:	Regen	vedi	n Labora	atory by	;		Com	pany:	min	,	Date/Time: <i>Q</i> <i>U</i> <i>M</i>	0, 1428

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hone: 602-437-3340	Sampler:			Lab	PM:						Carrier 1	racking No	s):	COC No:	Loc: 550
lient Information (Sub Contract Lab)				Re	ill, Rebe	ecca (G							550-40568.1	
ient Contact: hipping/Receiving	Phone:			E-M Re		a.Gentes@et.eurofinsus.com Arizona						•		Page: Page 1 of 1	
ompany:				<u> </u>	Accreditations Required (See note):									Job #:	
urofins Environment Testing Southwest,					State	- Ala	iska (U	IST); S	State - A	rizona		-		550-223300-	
ddress: 841 Dow Avenue, Suite 100, ,	Due Date Request 10/2/2024	ed:						4	Analys	is Red	queste	d		Preservation	Codes:
ty:	TAT Requested (d	ays):	**** * * * * * * * *			1	TT		TŤ	T	İT			1.15	
ustin ate, Zip:						List								6	
A, 92780					120	Metals List									
none:	PO #:					8 W									
14-895-5494(Tel) nail:	WO #:				ON N	200.8									
nan.	WU #.				No.	Custom								2	
oject Name:	Project #:				ڪ اخ									aine	
ordsburg Station	55017982 SSOW#:				릗톤	VOD								Other:	
	33011#				Sar	ц Ц	-							Jo	
			Sample	Matrix	ered Samp MS/MSD (Y	200.8/200.8_P_TR (MOD)								Other: Other: Special	
			Sample Type	(W=water, S=solid,	n R	00.8								L'IN NUL	
		Sample	(C=comp,	O=waste/oil, BT=Tissue,	Pa Pa	0.8/2							10.0	otal	
ample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab)	A=Air)	E E	ŝ				_				P Specia	Instructions/Not
		10:20	Preservat	tion Code:	XX				1						
'W #1 (550-223300-1)	9/10/24	Arizona	G	Water		×								1	
up-1 (550-223300-2)	9/10/24	01:00	G	Water		X								1	
		_Arizona		· · · · · ·	++-			-							
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						1							550-2	23300 Chain of	INT HERE WITH THE TARK TARK TOTAL
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														_	
te: Since laboratory accreditations are subject to change, Eurofins Environment															
boratory does not currently maintain accreditation in the State of Origin creditation status should be brought to Eurofins Environment Testing S															
ossible Hazard Identification					IS:	amole	Disn	osal (A foo m	av he s		d if sam	nies are ret	ained longer the	an 1 month)
inconfirmed									ent			By Lab		rchive For	
eliverable Requested: I, II, III, IV, Other (specify)	Primary Deliver	able Rank:	2						QC Req			Dy Lab			Workins
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mpty Kit Relinquished by:		Date:			Time:						Me	thod of Shi			
elinquished by:	Date Time:	24	CH	TAP	HX	Rece	eived by:	6	IF.	4		Da	te/Time:		Company
elinquished by: Fed Exp	Date/Tme:	IS.		Company	(Rece	eived by:	A	7			Da	te/Time:	4 093	Company
elinguished by:	Date/Time:			Company	,	Rece	eived by:	: /					te/Time: /		Company
													/		

Job Number: 550-223300-1

List Source: Eurofins Phoenix

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Login Number: 223300 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	

Client: Stantec Consulting Services, Inc.

Login Number: 223300 List Number: 2 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	2.9
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Job Number: 550-223300-1

List Source: Eurofins Calscience

List Creation: 09/27/24 03:38 PM

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



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

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

Reell N

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

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Client: Stantec Consulting Services, Inc. Project/Site: Lordsburg Station Page 74 of 96

Deminitions/Glossary		
g Services, Inc. tation	Job ID: 550-226754-1 SDG: Lordsbuig, Nm	2
		3

Qualifiers

Metals Qualifier	Qualifier Description	
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.	
Glossary		5
Abbreviation	These commonly used abbreviations may or may not be present in this report.	6
¢	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	c
CNF	Contains No Free Liquid	8
DER	Duplicate Error Ratio (normalized absolute difference)	
Dil Fac	Dilution Factor	9
DL	Detection Limit (DoD/DOE)	
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample	
DLC	Decision Level Concentration (Radiochemistry)	
EDL	Estimated Detection Limit (Dioxin)	
LOD	Limit of Detection (DoD/DOE)	
LOQ	Limit of Quantitation (DoD/DOE)	
MCL	EPA recommended "Maximum Contaminant Level"	
MDA	Minimum Detectable Activity (Radiochemistry)	
MDC	Minimum Detectable Concentration (Radiochemistry)	
MDL	Method Detection Limit	
ML	Minimum Level (Dioxin)	
MPN	Most Probable Number	
MQL	Method Quantitation Limit	
NC	Not Calculated	
ND	Not Detected at the reporting limit (or MDL or EDL if shown)	
NEG	Negative / Absent	
POS	Positive / Present	
PQL	Practical Quantitation Limit	
PRES	Presumptive	
QC	Quality Control	
RER	Relative Error Ratio (Radiochemistry)	
RL	Reporting Limit or Requested Limit (Radiochemistry)	
RPD	Relative Percent Difference, a measure of the relative difference between two points	
TEF	Toxicity Equivalent Factor (Dioxin)	
TEQ	Toxicity Equivalent Quotient (Dioxin)	
TNTC	Too Numerous To Count	

Case Narrative

vC

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

Job ID: 550-226754-1

Eurofins Phoenix

Job ID: 550-226754-1

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.

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

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

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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

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

Detection Summary

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

Client Sample ID: WW# 1						Lab	Sample ID	550-226754-1
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Prep Type
Chromium	36		1.0	0.12	ug/L	1	200.8	Dissolved
Client Sample ID: Dup - 1						Lab	Sample ID	550-226754-2
Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D Method	Ргер Туре
Chromium	36		1.0	0.12	ug/L	1	200.8	Dissolved

This Detection Summary does not include radiochemical test results.

		Client	Sample R	esults	;					
Client: Stantec Consulting Services, Inc. Project/Site: Lordsburg Station								Job ID: 550-2 SDG: Lordst		
Client Sample ID: WW# 1 Date Collected: 12/10/24 10:05							Lab Samp	le ID: 550-22 Matri	26754-1 x: Water	
Date Received: 12/10/24 15:02 Method: EPA 200.8 - Metals (ICP/MS) -	Discolve	d								
Analyte		Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac	5
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 Samp	le ID: 550-22	6754-2	
Date Collected: 12/10/24 10:05 Date Received: 12/10/24 15:02									x: Water	7
Method: EPA 200.8 - Metals (ICP/MS)	- Dissolve	d								8
Analyte	Result	Qualifier	RL		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	9

Job ID: 550-226754-1

SDG: Lordsbuig, Nm

QC Sample Results

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

Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 570-514264/1-A Matrix: Water	4												ample ID: Type: Tota		
Analysis Batch: 514468												Fieb		Batch: 5	
Analysis Datch. 514400		мв м	MB										Пері	Jaten. J	14204
Analyte	Re		Qualifier		RL		MDL	Unit		D	P	repared	Analyz	ed	Dil Fac
Chromium		ND E	E8		1.0		0.12	ug/L			12/1	6/24 06:00	12/16/24	12:23	1
Lab Sample ID: LCS 570-514264/2-	A									С	lient	Sample	ID: Lab Co	ontrol S	ample
Matrix: Water												Prep	Type: Tota	l Recov	erable
Analysis Batch: 514468													Prep I	Batch: 5	5 <mark>1426</mark> 4
				Spike		LCS	LCS						%Rec		
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chromium				80.0		87.4			ug/L			109	85 - 115		
- Lab Sample ID: LCSD 570-514264/	3-A								С	lient	Sam	ple ID: L	ab Contro	I Sampl	le Dup
Matrix: Water												Prep ⁻	Type: Tota	l Recov	erable
Analysis Batch: 514468													Prep I	Batch: 5	5 <mark>1426</mark> 4
				Spike		LCSD	LCS	D					%Rec		RPD
Analyte				Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chromium				80.0		87.7			ug/L			110	85 - 115	0	20
Lab Sample ID: 570-210602-B-1-B	MS ^5											Client	Sample ID	: Matrix	Spike
Matrix: Water												Prep ⁻	Type: Tota	l Recov	erable
Analysis Batch: 514468													Prep I	Batch: 5	5 <mark>1426</mark> 4
	Sample	Sampl	le	Spike		MS	MS						%Rec		
Analyte	Result	Qualif	ier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits		
Chromium	130			80.0		218			ug/L			105	80 - 120		
Lab Sample ID: 570-210602-B-1-C	MSD ^5									Clie	nt Sa	ample ID:	: Matrix Sp	oike Dup	olicate
Matrix: Water												Prep	Type: Tota	l Recov	erable
Analysis Batch: 514468														Batch: 5	
	Sample	Sampl	le	Spike		MSD	MSD						%Rec		RPD
Analyte	Result	Qualif	ier	Added		Result	Qual	ifier	Unit		D	%Rec	Limits	RPD	Limit
Chromium	130			80.0		214			ug/L		_	100	80 - 120	2	20

QC Association Summary

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

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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	
nalysis Batch: 514468		D	11 -4-1	1	David Data
nalysis Batch: 514468 Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	
nalysis Batch: 514468 Lab Sample ID 550-226754-1	 WW# 1	Dissolved	Water	200.8	514264
nalysis Batch: 514468 Lab Sample ID 550-226754-1 550-226754-2	WW# 1 Dup - 1	Dissolved Dissolved	Water Water	200.8	Prep Batch 514264 514264
nalysis Batch: 514468 Lab Sample ID 550-226754-1 550-226754-2	 WW# 1	Dissolved	Water	200.8	514264
nalysis Batch: 514468 Lab Sample ID 550-226754-1 550-226754-2 MB 570-514264/1-A	WW# 1 Dup - 1	Dissolved Dissolved	Water Water	200.8	51426 51426 51426 51426
nalysis Batch: 514468 Lab Sample ID 550-226754-1 550-226754-2 MB 570-514264/1-A LCS 570-514264/2-A	WW# 1 Dup - 1 Method Blank	Dissolved Dissolved Total Recoverable	Water Water Water	200.8 200.8 200.8	51426 51426 51426 51426 51426
nalysis Batch: 514468 Lab Sample ID 550-226754-1 550-226754-2 MB 570-514264/1-A LCS 570-514264/2-A LCSD 570-514264/2-A S70-210602-B-1-B MS ^5	WW# 1 Dup - 1 Method Blank Lab Control Sample	Dissolved Dissolved Total Recoverable Total Recoverable	Water Water Water Water	200.8 200.8 200.8 200.8 200.8	514264 514264

Lab Chronicle

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

Client Sample ID: WW# 1 Date Collected: 12/10/24 10:05 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 12:42

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

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

Lab Sample ID: 550-226754-1

Lab Sample ID: 550-226754-2

Matrix: Water

Matrix: Water

4 5 7 8 9 10 11

Accreditation/Certification Summary

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

Laboratory: Eurofins Calscience

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

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

12 13 14

Method Summary

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

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

lethod	Method Description	Protocol	Laboratory	
00.8	Metals (ICP/MS)	EPA	EET CAL 4	_
00.8	Preparation, Total Recoverable Metals	EPA	EET CAL 4	
Protocol R	eferences:			Ę
EPA = l	JS Environmental Protection Agency			
Laboratory	References:			
EET CA	L 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494			

Protocol References:

Laboratory References:

625 East Cotton Center Boulevard oute 189 hoenix, AZ 85040-4807		Chain of Custody Record & e 23/e754								
hone 602.437.3340	Regulatory Pro	ogram: Dw NPDE	S RCRA Other:	-	Eurofins Environment Testing An					
	Project Manager:	teve varsa			COC No:					
Client Contact	Email: Steve, Ver	IBA @ STANTEC. CO	Site Contact:	Date: 12/10/24	of COCs					
company Name STANTEC CONSULTING	Tel/Fax: 515-7	110-7523	Lab Contact:	Carrier:	TALS Project #:					
Iddress 11311 Aurora Ave	Analysis 1	furnaround Time			Sampler: Chuck grave					
ity/State/Zip Des Moines, IA 50322	CALENDAR DAYS	WORKING DAYS	3		For Lab Use Only:					
Phone 515 - 710 - 7523		from Below	Z		Walk-in Client:					
AX	Carlos Ca	2 weeks i week STD,	ZX		Lab Sampling:					
roject Name: LorDsburg Station			Nample (Y/N) MS/MSD (Y/N) Nred Chennum							
site: Lordsburg, Krms	and the second se	2 days TAT	Mi A		Job / SDG No.:					
0# 193710876		L day	ered Sampl							
		Sample Type	De la company							
Sample Identification	Sample Sample	(C=Comp, # of			Openale Openale Materia					
	Date Time			═╋═╆═╋═╋╧╋╧╋╼┿╼	Sample Specific Notes:					
WW#1	12/10/24 1005	GWI	MX							
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ossible Hazard Identification:	n die het en en segen die Sondwarten in die die die gewijk und die het eine werde dat			may be assessed if samples ar	re retained longer than 1 month)					
re any samples from a listed EPA Hazardous Waste? F		ste Codes for the sample i	n							
e Comments Section if the lab is to dispose of the samp	e. Poison B	Unknown	Return to Client	Disposal by Lab	hive for Months					
pecial Instructions/QC Requirements & Comments:	POISON D			Disposal by Lab						
 Control and analysis of the second sec					10 511200					
2					1°2)TH295					
Custody Seals intact: Yes No	Custody Seal No.:		Cooler Temp: (°C): Obs'd: Corr'd:	Therm ID No.:					
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	Company: STANTE(Date/Time:		Company. 4	Date/ Time.					
lelinquished by:	Company:	Date/Time.	Received by:	Company:	Date/Time:					
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elinquished by:	Company:	Date/Time:	Received in Laboratory by	Company: PH)	Date/Time:					
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Eurofins Phoenix

4625 East Cotton Center Boulevard Suite #189

Chain of Custody Record



Phoenix, AZ 85040 Phone: 602-437-3340

Phone: 602-437-3340													لنجيل	دحما											
							: Carrier Tracking No(s): Rebecca G N/A							COC 550-	No: 41143.	.1	_								
Client Contact: Shipping/Receiving	Phone: E-Mail: N/A Rebecca					State of Origin: a.Gentes@et.eurofinsus.com Arizona						Page Pag	: e 1 of 1	1											
Company: Eurofins Environment Testing Southwest,	Acc						creditations Required (See note): tate Alaska (UST); State Arizona							Job #											
Address:	Due Date Request	led-			Sie	ile ,	Alas	ska (u	131);	, stat		120Ha									ervatio		es:		
2841 Dow Avenue, Suite 100	12/26/2024									An	alys	is R	equ	este	ed				.						
City: Tustin	TAT Requested (d	lays): N/A			Contraction of		50												1						
State, Zip: CA, 92780					and the second	te due	านตากด												- 1945 						
Phone: 714-895-5494(Tel)	PO#: N/A				01	Perform MS/MSD (Yes or No)	ecars																		
Email: N/A	WO#: N/A				or N	(0)											1								
Project Name:	Project #:				Yes	or N													Iner						
Lordsburg Station	55017982) (e) (88) 142	P												nta						
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Sample Identification - Client ID (Lab ID)	Sample Date	Time	G=grab) er Preservatio	Tissue, AtAli	X	N N	Z d	N.45.45		16 1			W.	NN T		98 S.C	0100	172	Ň						
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Dup 1 (550-226754-2)	12/10/24	Arizona 10:05	G	Water	\top		x					1			╈		┢	-	1						
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Note: Since laboratory accreditations are subject to change, Eurofins Environm laboratory does not currently maintain accreditation in the State of Origin listed accreditation status should be brought to Eurofins Environment Testing Southw	ahove for analysis/ter	sts/matrix being	analyzed the s	moles mus	t be s	ninne	d bac	ck to ti	he Eur	rofins I	Enviro	nment	Testi	na Soi	uthwe	st. LL(C labo	ratory	oroth	iér insti	uctions \	WIII DO D	provided.	Алу спа	anges to
Possible Hazard Identification																							month		
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Relinquished by:	Date/Time:			mpany			Recei	ived b	Ľ	R		(_			Da	ite/Tir 12		2/2	.4	\mathcal{O}_{i}^{c}	950	Compar	y	
Relinquished by:	Date/Time:		C	mpany		7	Recei	ived 0	y.							Da	ate/Tir	he:	/		<i>i</i>		Compar	iy 🗌	
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Δ Yes Δ No			and a second																1	4	<u> </u>	<u> </u>	Ver 10	/10/20	24

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12/17/2024

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Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

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.

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

List Source: Eurofins Phoenix

Login Sample Receipt Checklist

Client: Stantec Consulting Services, Inc.

Login Number: 226754 List Number: 2

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	

List Source: Eurofins Calscience

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

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APPENDIX D

Data Collection Sheets - Groundwater



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	Stantec	GROUNDWATER SAMPLE COLLECTION RECORD Well No. WW#1 .
	Job No.: 193709470 Location: Lordsburg Station, Hidalgo County, NM Weather Conditions: Clean Clean Cool	Client: El Paso Natural Gas Company Date: <u>3 12 24</u>
	1. WATER LEVEL DATA: (from TOC) a. Total Well Length (h) 440 feet b. Depth to Water 92.4 feet c. Length of Water Column ~350 feet 2. WELL PURGING DATA: a. Purge Method Dedicated in-well submersible pump	Well Diameter 14-inch inner diameter Three Well Volumes gallons One System Volume
start→	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	
	Container Type: 250-mL vial (1) Preservation: NO3 Container Type: Preservation: Preservation: Sample ID #: WW#1 Time S 4. COMMENTS: Finel Totak:2EE = 1937 \$949 (1)	in-well submersible pump. Analysis Req.: Chromium -dissolved (EPA 300.8) Analysis Req.: Sampled: I;937,949
	QA/QC Sample Collected = 1 Duplicate (Dup-1), Time: 01:00 Field Filtered? Y / N Sampler (Signature)	(Print Name) Page 1 of 1

MST

Q	Stant	tec					LE CO	UNDWATE LLECTION WW#1	
	193710418 Lordsburg Conditions:	Station, Hidal	NW			Client: Date:	El Paso 5/24	Natural Gas Co	ompany
a. T b. E c. L 2. WEL a. Pu	Cotal Well Ler Depth to Wate Length of Wat L PURGINC rge Method	r er Column G DATA: Dedicated i	92 3 -3	nersible p		Three V One Sy	Vell Volu stem Volu	mes	
	ge Requireme	ents quipment Usec Totalizer						er three consecu	tive readings)
Container T	ype: 250-mL via	Reading (gal) 1971438 197719 19779 1977300 1977421 (977514 (977514 1977615 1977716 1977910	(°C) ("-10%) 25.20 23.37 23.37 23.98 24.04 24.09 24.09 24.13 24.19 24.24 24.24 24.24 24.24 24.24	(s.u.) (** 10%) 8.09 9.13 9.17 9.15 9.12 9.08 9.06 9.06 9.06 9.06	(μΩ/cm) (+/-10%) - 406 - 4(1 - 410 - 469 - 460 - 460	(mV) (** 10%) 205.7 155.7 142.2 134.7 128.9 123.4 114.0 103.9 103.9 103.6 103.1 03.1	(mg/L) (N/A) 4,05 2.40 2.22 2.33 2.72 2.72 2.74 2.54 2.55 2.53 2.55 2.53 2.55		
		WW				ampled:			
QA/	IMENTS: QC Sample C I Filtered? Y	ollected = 1 D V N	uplicate (D	up-1), Ti	me: 01:00				
\bigcirc	Sample	er (Signature)			C	huck	•	Jes Print Name)	

Page 1 of 1

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Stantec	GROUNDWATER SAMPLE COLLECTION RECORD Well No. WW#1 .
ob No.: 193709470 ocation: Lordsburg Station, Hidalgo County, NM	Client: El Paso Natural Gas Company Date: $9/10/24$
Veather Conditions: Clear + Sunny	
. WATER LEVEL DATA: (from TOC)	
a. Total Well Length (h) 440 feet	Well Diameter 14-inch inner diameter
b. Depth to Water 96.06 feet	Three Well Volumes gallon
c. Length of Water Column ~350 feet	One System Volume
 WELL PURGING DATA: a. Purge Method * Dedicated in-well submersible pump (news) b. Purge Requirements Parameter Stabilization (<10⁴) c. Field Testing Equipment Used YSI 550 Multiparameter Method 	% change/interval over three consecutive readings)
Time DTW Totalizer Temp. pH Spec.Cond. (ft) (gal) (*-10%) (*-10%) (µΩ/cm) 355 96.06 1990450 0 0	
40 137.41 1990800 24,01 9.11 491 445 159,21 1991146 24.05 9.04 486 450 202.16 19913≥3 24.10 8.98 482 \$55 226.12 1991581 24.00 8.90 479	-322.3 2.81 (tem Clau -323.5 3.00 - Clau -323.9 7.15 - Clau -322.1 3.24 - Clau
000 251.36 1991818 24.03 8.31 477 005 278.16 1992065 24.14 8.01 475 010 285.73 19922342 24.19 8.77 473 015 296.62 1992554 24.24 8.76 473 020 306.11 1992800 24.26 8.75 473	-317.0 3.25 - (lean -317.7 3.21 - (lean -316.9 3.11 - (lean -317.2 3.03 - (lean -316.0 2.95 - (lean
SAMPLE COLLECTION: Method	n-well submersible pump.
	Analysis Req.: Chromium -dissolved (EPA 300.8)
	Sampled: 10:20
COMMENTS: 10:40 Signed out. QA/QC Sample Collected = 1 Duplicate (Dup-1), Time: 01:00 Field Filtered? V/ N	in mid-August 2024.
huck Graves 1	- Church Graves

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Page 1 of 1

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Page 1 of 1

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C	Stan	tec					PLE CO	DUNDWATE DLLECTION WW#1	Control Co
		Station, Hida		, NM		Client Date:	El Pase 12/10	o Natural Gas Co 24	ompany
a. 7 b. 1 c. 1 2. WEI	TER LEVEL Total Well Le Depth to Wate Length of Wate LL PURGING urge Method	er ter Column	92.5	350 feet		Three V	iameter Well Volu stem Volu	mes	ch inner diameter gallons
b. Pu	rge Requirem		Param	eter Stabi	lization (<10%		nterval ov	ver three consecu	tive readings)
Time 09:2-1 09:25	DTW (ft) 92,52 120.10	Totalizer Reading (gal) 1993382- 1993610	Temp. (°C) (^{+/-} 10%) 24.11	pH (s.u.) (+- 10%) 9.80	506	ORP (mV) (^{+,,} 10%)	DO (mg/L) (N/A) 2.28	Turbidity (NTU) (N/A)	Color (visual)
09:30 09:45 09:45 09:45 09:45 09:55 10:05	144.80 159.44 184.30 185.80 192.36 192.16 199.60 202.84	1993834 1994049 1994324 1994570 1994820 1995059 1995320 1995560	23.84 23.53 23.29 23.24 23.26 23.26 23.35 23.35 23.32	9.71 9.62 9.50 9.45 9.41 9.37 9.34 9.35	499 493 486 485 483 483 482 481 481 482	-220.1 -220.4 -214.3 -215,1 -209.2 -216.1 -214.5 -214.8	2.06 2.08 2.40 2.40 2.40 2.45 2.45 2.42 2.46 2.44		
Container T	Type: <u>250-mL via</u>		Pre	servation:	NO3		is Req.: <u>Chr</u>	oump. omium -dissolved (I	
Sample I	D #:	WW	#1		Time S	ampled:	10:00	5	
QA/	d Filtered? Y	ollected = 1 D / N er (Signature)	puplicate (D	Pup-1), Tin	me: 01:00	huck		و ج Print Name)	

APPENDIX E

Data Validation Report



APPENDIX E

DATA VALIDATION REPORT

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

February 25, 2025

Prepared for: El Paso Natural Gas Company, LLC

INTRODUCTION

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

DATA EVALUATION

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

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

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

- DUP-1, field duplicate sample of WW#1
- SDG 550-223300-1:
 - WW#1
 - Duplicate, field duplicate sample of WW#1
- SDG 550-226754-1:
 - WW#1
 - Dup-1, field duplicate sample of WW#1

DATA VALIDATION RESULTS

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

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

Metals by ICP/MS Method EPA 200.8 LL

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

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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Sante Fe Main Office Phone: (505) 476-3441

General Information Phone: (505) 629-6116

Online Phone Directory https://www.emnrd.nm.gov/ocd/contact-us

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

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CONDITIONS

Action 445455

CONDIT	IONS
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