



# Site Data Integrity Review and Remedial Action Plan –Dillard USX AB 29-17

PREPARED ON BEHALF OF CHEVRON  
USA, INC. FOR

Colorado Energy and Carbon  
Management Commission

Department of Natural Resources

DATE  
November 21, 2025

## REM ID 32095

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## ACRONYMS AND ABBREVIATIONS

<b>Acronym</b>	<b>Description</b>
bgs	below ground surface
Chevron	Chevron U.S.A. Inc.
COA	conditions of approval
DIR	data integrity review
Disclosure	Voluntary Disclosure under Colorado Energy and Carbon Management Commission (ECMC) Rule 525.e
Doc No.	document number
Eagle	Eagle Environmental Consulting, LLC
EC	electrical conductivity
ECMC	Energy and Carbon Management Commission
ERM	Environmental Resource Management, Inc.
ft	feet
GSSL	groundwater soil screening level
mg/kg	milligrams per kilogram
N/A	not applicable
NFA	no further action
Noble	Noble Energy, Inc. (ECMC Operator Number 100322)
Origins	Origins Laboratory, Inc.
PID	photoionization detector
ppm	parts per million
QA/QC	quality assurance/quality control
RAP	Remedial Action Plan
REM #	Remediation Project Number
SAR	sodium adsorption rate
SDG	sample delivery group
TPH	total petroleum hydrocarbons
VOC	volatile organic compound

# 1. INTRODUCTION

As part of Noble Energy, Inc.'s (Noble's) Voluntary Disclosure under Colorado Energy and Carbon Management Commission (ECMC) Rule 525.e. (Disclosure), Noble and/or its affiliated entities engaged Environmental Resources Management, Inc. (ERM) to conduct a comprehensive review and assessment of prior environmental consulting work (Data Integrity Review or DIR) associated with remediation projects (Projects) included within its Disclosure.

The scope of the DIR includes the following tasks: (1) identifying potential errors, omissions, discrepancies, and/or other relevant deficiencies associated with the disclosed misconduct of a prior environmental consultant that affected Noble Projects and (2) independently assessing the affected Noble Projects to provide assurance that the work performed to date is consistent with ECMC requirements and to provide recommendations to address and remediate the potential misconduct, if needed, consistent with ECMC requirements, including those specified in ECMC's May 20, 2025 Operator Instructions.

Additionally, ERM has conducted a thorough review of all the previously submitted Form 27s to summarize the outstanding Conditions of Approval (COAs). The scope of the COAs review includes: (1) examining all COAs issued by the ECMC for Form 27 documents previously submitted during each project's remediation cycle; (2) determining the current status of each COA (pending, in progress or complete); and (3) identifying and documenting outstanding COAs and required next steps.

ERM has prepared this memorandum to memorialize the findings associated with its DIR of **REM # 32095** (Dillard – USX AB 29-17 [Project or site]) to summarize all outstanding COAs, along with recommendations and planning activities, as part of a Remedial Action Plan (RAP). This DIR/RAP memorandum advances the project toward closure and No Further Action (NFA) status.

Results of the DIR are presented in Appendix A (Figure A-1).

## 1.1 SITE DETAILS AND BACKGROUND

- Facility Name: Dillard – USX AB 29-17
- Facility Type: Well
- Release ID: N/A
- Latitude/Longitude: 40.547460/-104.568540
- Potentially Impacted Media: Soil

The initial regulatory forms submitted for this site are summarized in Table 1 below.

**TABLE 1 INITIAL FORMS SUMMARY**

Initial Form Type (19 or 27)	Date	REM ID Present (Yes or No)	Spill/Release Type (decommissioning or active)
Form 27 (Doc No. 403555357)	10/10/2023	Yes	Decommissioning

The sensitive receptors identified at the site are based primarily on information provided in Form 19 and Form 27 submissions, as summarized in Table 2 below.

**TABLE 2 SENSITIVE RECEPTORS SUMMARY**

<b>Receptor</b>	<b>Finding</b>
Most sensitive adjacent land use	Crop Land
Domestic water well within ¼ mile?	No
Surface water within ¼ mile?	No
Groundwater less than 20 feet (ft) below ground surface (bgs)	No*
Other potential receptors within ¼ mile?	N/A
Other potential receptors	Mule Deer Severe Winter Range high priority habitat

\* Previous Site Investigations were conducted to only 7 ft. bgs, and therefore depth to groundwater has not been confirmed.

## 2. SITE INVESTIGATION AND SAMPLING ACTIVITIES

The details contained in this Section 2 are intended to serve as a summary of site investigation and sampling activities that were undertaken prior to submission of this DIR/RAP memorandum. Where available, company names for environmental consultants and laboratories have been included to indicate which entities conducted work and/or submitted documentation and data to Chevron and/or ECMC. Additionally, in cases where ERM was unable to locate documentation indicating that investigation and sampling results were submitted to ECMC, this has been noted.

### 2.1 SPILL DISCOVERY AND FOLLOW-UP INVESTIGATION ACTIVITIES

- A site investigation was conducted on February 13, 2024, by Eagle Environmental Consulting, LLC. (Eagle) pertaining to the wellhead decommissioning, per ECMC rules. The Supplemental Form 27 (Document Number [Doc No.] 403734552; denied) submitted March 28, 2024, contained the analytical laboratory report (Sample Delivery Group [SDG] Y402330) from Origins Laboratory, Inc. (Origins) related to the site investigation as the only attachment. The Supplemental Form 27 (Doc No. 403976118; denied) submitted on November 8, 2024, contained the Site Investigation Report as an attachment which included the Wellhead Closure Checklist, figures and tables related to the February 13, 2024, site investigation, and the analytical laboratory report (SDG Y402330) previously submitted in the Supplemental Form (Doc No. 403734552; denied) on March 28, 2024.
- Soils from five discrete locations (Appendix A, Table A-1) in the wellhead cut and cap excavation were field screened using a photoionization detector (PID). Of these five locations, four locations were screened from soils on the excavation side walls based on the four cardinal directions (WH-SS-01 through WH-SS-04), and one location was screened from the excavation floor (WH-FF-01@7'). PID values ranged from 0.5 to 2.3 parts per million (ppm). Based on the PID readings, a single soil sample was collected from the excavation floor (WH-FS-01@7') and sent to Origins for laboratory analysis of total petroleum hydrocarbons (TPH) (C6-C10 volatile and C10-C36 extractable), volatile organic compounds (VOCs), electrical conductivity (EC), sodium adsorption rate (SAR), pH, metals, and boron. The analytical summary is outlined in Section 2.2 below and included in Appendix A (Tables A-2 through A-5).
- An evaluation of background soils was also completed as a part of the February 13, 2024, site investigation. Surficial soils were evaluated using a PID from outside of the four cardinal

directions of the wellhead (WH-N, WH-E, WH-S, WH-W). PID readings ranged from 0.2 to 1.1 ppm, and as a result, no sample for laboratory analysis was collected from the surficial soil samples. A background soil sample, Background-01@2', located approximately 10 feet northwest of the wellhead assessment boundary, was collected and submitted to Origins for laboratory analysis of TPH (C6-C10 volatile and C10-C36 extractable), ECMC Table 915-1 identified VOCs, EC, SAR, pH, metals, and boron. The analytical summary is outlined in Section 2.2 below and included in Appendix A (Tables A-2 through A-5).

- The background sample, Background-01@2' appears to have been collected in close proximity to the oil and gas equipment area. Additionally, sample Background-01@2' was collected at shallow depths not representative of actual background soil concentrations.
- Based on the results of the site investigation, a Form 19 was not submitted to ECMC.
- Groundwater was not encountered during the investigation; therefore, no groundwater samples were collected.

## 2.2 SAMPLE ANALYSIS SUMMARY

### 2.2.1 SOIL

- No VOC contaminants in soil at the site were detected above the ECMC Table 915-1 groundwater screening levels (GSSL).
- Additionally, exceedances of ECMC Table 915-1 values or local background levels, where applicable, were observed for arsenic and barium. These results are detailed in Appendix A (Figure A-2/Table A-5).
- Background sample was collected within an area of current or former oil and gas activity; a local clean-up level was calculated based of the maximum background concentrations and used for comparison.

#### 2.2.1.1 INDEPENDENT EVALUATION OF SOIL SAMPLE LABORATORY DATA

This section presents the results of ERM's independent evaluation of soil sample laboratory data conducted as part of the DIR. Upon receipt of encrypted laboratory reports provided directly from the laboratory, ERM conducted a thorough and systematic review of all laboratory documentation submitted by Eagle to ECMC, along with all summary tables and figures included with site investigation reports as part of previous Form 27 submittals.

All data including Quality Assurance/Quality Control (QA/QC) results, presented by Eagle in the submitted laboratory reports, summary tables, figures, and ECMC Forms (e.g., Form 27) narratives were compared against the encrypted laboratory reports. Any identified data alterations and discrepancies were thoroughly documented and have been addressed and summarized in this memorandum. Table 3 provides an overview of the analytical laboratory reports reviewed during this independent evaluation, including key metadata and findings summary. Corrected summary tables and figures for the soil analytical results are included in Appendix A (Figure A-2 and Tables A-2 through A-5). The analytical report containing data alterations is included in Appendix B, with

the altered values highlighted in yellow, and will be uploaded to ECMC’s webforms portal along with Form 27 for the DIR package.

**TABLE 3 OVERVIEW OF ANALYTICAL LABORATORY REPORTS CONTAINING ANALYTICAL DATA FROM HISTORICAL SITE SOIL INVESTIGATIONS**

Laboratory Report SDG Number	Sample Date	Lab	Sampled by	Comment
Y402330	02/13/2024	Origins	Eagle	ERM is in possession of the encrypted lab report; <b>data alterations and discrepancies were observed</b> , as detailed below.

- Laboratory Report (SDG Y402330) was submitted to ECMC in two Supplemental Form 27s. First submission of Laboratory Report (SDG Y402330) was included in Supplemental Form 27 (Doc No. 403734552; denied) submitted March 28, 2024; second submission of Laboratory Report (SDG Y402330) was included in Supplemental Form 27 (Doc No. 403976118; denied) submitted on November 8, 2024.
  - The first submission of Laboratory Report (SDG Y402330) included in Supplemental Form 27 (Doc No. 403734552; denied) submitted March 28, 2024, contained data alterations. However, figures and tables associated with the February 13, 2024, investigation were not provided in this Supplemental Form 27 submission.
  - Second submission of Laboratory Report (SGD Y402330) included in Supplemental Form 27 (Doc No. 403976118; denied) submitted on November 8, 2024, did not contain data alterations. Figures and tables associated with the February 13, 2024, did not contain discrepancies.
- Table 4 details the observed data alterations associated with soil analytical analyses submitted to ECMC in Supplemental Form 27 (Doc No. 403734552; denied) submitted March 28, 2024, by Eagle as part of a Subsurface Assessment.
  - The observed alterations were limited to changed analyte concentrations. No other types of alterations (e.g., reporting limits, narratives, omitted analyses) were observed.

TABLE 4 DETAILS OF OBSERVED DATA ALTERATIONS IN THE ANALYTICAL LABORATORY REPORT SUBMITTED TO ECMC

Laboratory Report SDG Number	Laboratory Report Page Number	Sample ID	Sample Depth (ft)	Sample Date	Analyte <sup>1</sup>	Laboratory Report Issuance Date to Consultant	Laboratory Report Data Reported and/or Submitted by Eagle	Encrypted Laboratory Report Reissuance Date to ERM	Encrypted Reissuance of Laboratory Report Delivered to ERM by Origins	ECMC Table 915-1 GSSLs
Y402330-01	8	WH-FS-01@7'	7	02/13/2024	Barium	02/28/2024	66.9	02/13/2025	<b>113</b>	82
Y402330-01	8	WH-FS-01@7'	7	02/13/2024	Arsenic	02/28/2024	<b>2.21</b>	02/13/2025	<b>3.58</b>	0.29
Y402330-02	9	Background-01@2'	2	02/13/2024	Arsenic	02/28/2024	<b>2.27</b>	02/13/2025	<b>3.98</b>	0.29

<sup>1</sup>Units: mg/kg for all analytes.

Yellow cells indicate values lower than encrypted lab report data; brown cells indicate values higher than encrypted lab report data.

Bolded value indicates exceedance of the ECMC 915-1 GSSL or the local clean-up level, where applicable.

### 2.2.2 GROUNDWATER

- No groundwater was encountered during decommissioning activities. Thus, groundwater investigation activities have not been conducted.

### 3. CONDITIONS OF APPROVAL (COAS)

All COAs documented in historic Form 27 submittals for the project are summarized in Table 5 below, including their current status and the proposed activities needed to resolve pending items and advance the project toward NFA status.

TABLE 5 SUMMARY OF ALL COAS

COA / General comment	Status	Notes	Form 27 Doc No.	Submission Date
1.a Operator States "If groundwater is encountered during the site investigation a grab groundwater will be collected and analyzed for all organic compounds per ECMC Table 915-1." Operator shall collect groundwater samples for complete ECMC Table 915-1 analysis.	Complete	Groundwater was not encountered	Initial Form 27 Doc 403555357	10/10/2023
2.a Operator states under Initial Action Summary "Visual inspection of the wellhead and flowline areas will occur during abandonment activities. Field personnel will field screen all disturbed areas using visual and olfactory senses to determine if laboratory confirmation sampling is required." Operator shall collect soil samples for complete ECMC Table 915-1 analysis.	Complete	Soil samples were collected for complete ECMC Table 915-1 analysis based on visual and field screening observations.	Initial Form 27 Doc 403555357	10/10/2023
3.a ECMC has denied this form for data validation. ECMC has not reviewed the submitted data. Operator shall conduct data validation and resubmit the data package as separate attachments (individual laboratory reports,	Complete	This COA has been satisfied with the submittal of Supplemental Form 27 (Doc No. 403976118; denied), submitted on 11/08/2024, which included a Site Investigation Report containing the laboratory report,	Supplemental Form 27 Doc No. 403734552	03/28/2024

COA / General comment	Status	Notes	Form 27 Doc No.	Submission Date
figures, and a summary table, field notes/logs, etc.). Well was cut and capped 2/14/2024. Operator should have a decommissioning data package available to submit.		figures and summary tables of the field investigation completed on 02/13/2024.		
4.a ECMC has denied this Form 27 due to discrepancies in analytical data associated with the Remediation project. Operator will submit a replacement Form 27 for this project that includes the following components: <ul style="list-style-type: none"> <li>A statement from the Operator indicating that this project is included in the data integrity review;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a statement, in the Operator Comments, indicating that this project is included in the DIR.	Supplemental Form 27 Doc No. 403976118	11/08/2024
4.b Operator will submit a replacement Form 27 for this project that includes the following components: <ul style="list-style-type: none"> <li>A site-specific description describing any data anomalies in the project record;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a DIR documenting all identified data anomalies in the project record.	Supplemental Form 27 Doc No. 403976118	11/08/2024
4.c Operator will submit a replacement Form 27 for this project that includes the following components: <ul style="list-style-type: none"> <li>The original, correct laboratory analytical report as a stand-alone attachment;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes, as a stand-alone attachment, the encrypted laboratory report (SDG, Y402330), received directly from Origins.	Supplemental Form 27 Doc No. 403976118	11/08/2024
4.d Operator will submit a replacement Form 27 for this project that includes the following components:	Complete	Results of this DIR (submitted as an attachment to this Supplemental Form 27) did not identify any new or	Supplemental Form 27 Doc No. 403976118	11/08/2024

COA / General comment	Status	Notes	Form 27 Doc No.	Submission Date
<ul style="list-style-type: none"> <li>A Form 19 Document ID as a Related Document, if necessary to report a Spill or Release;</li> </ul>		additional organics exceedances that would warrant the submittal of a Form 19. Therefore, this COA has been satisfied.		
<p>5.a ECMC has denied this Form 27 due to discrepancies in analytical data associated with the Remediation project. Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>A statement from the Operator indicating that this project is included in the data integrity review;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a statement, in the Operator Comments, indicating that this project is included in the DIR.	Supplemental Form 2 Doc No. 404068588	02/07/2025
<p>5.b Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>A site-specific description describing any data anomalies in the project record;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a DIR documenting all identified data anomalies in the project record.	Supplemental Form 2 Doc No. 404068588	02/07/2025
<p>5.c Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>The original, correct laboratory analytical report PDF secured by the issuing laboratory as a stand-alone attachment;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes, as a stand-alone attachment, the encrypted laboratory report (SDG, Y402330), received directly from Origins.	Supplemental Form 2 Doc No. 404068588	02/07/2025
<p>5.d Operator will submit a replacement Form 27 for this project that includes the following components:</p>	Complete	Results of this DIR (submitted as an attachment to this Supplemental Form 27) did not identify any new or additional organics exceedances that would warrant the submittal of a	Supplemental Form 27 Doc No. 404068588	02/07/2025

COA / General comment	Status	Notes	Form 27 Doc No.	Submission Date
<ul style="list-style-type: none"> <li>A Form 19 Document ID as a Related Document, if necessary to report a Spill or Release;</li> </ul>		Form 19. Therefore, this COA has been satisfied.		
<p>6.a ECMC has denied this Form 27 due to discrepancies in analytical data associated with the Remediation project. Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>A statement from the Operator indicating that this project is included in the data integrity review;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a statement, in the Operator Comments, indicating that this project is included in the DIR.	Supplemental Form 27 Doc No. 404137350	03/25/2025
<p>6.b Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>A site-specific description describing any data anomalies in the project record;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a DIR documenting all identified data anomalies in the project record.	Supplemental Form 27 Doc No. 404137350	03/25/2025
<p>6.c Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>The original, correct laboratory analytical report as a stand-alone attachment;</li> </ul>	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes, as a stand-alone attachment, the encrypted laboratory report (SDG, Y402330), received directly from Origins.	Supplemental Form 27 Doc No. 404137350	03/25/2025
<p>6.d Operator will submit a replacement Form 27 for this project that includes the following components:</p> <ul style="list-style-type: none"> <li>A Form 19 Document ID as a Related Document, if necessary to report a Spill or Release;</li> </ul>	Complete	Results of this DIR (submitted as an attachment to this Supplemental Form 27) did not identify any new or additional organics exceedances that would warrant the submittal of a	Supplemental Form 27 Doc No. 404137350	03/25/2025

COA / General comment	Status	Notes	Form 27 Doc No.	Submission Date
		Form 19. Therefore, this COA has been satisfied.		
7.a ECMC will not approve additional forms until the missing information is provided.	Complete	This COA has been satisfied with the submittal of this Supplemental Form 27 that includes a thorough DIR.	Supplemental Form 27 Doc No. 404137350	03/25/2025
8.a This is the 3rd denial for the same or similar issues related to reporting on this project number.	Complete	The Operator acknowledges the repeated denials and understands the need for improved reporting. Corrective steps will be taken to address outstanding COAs, and the operator will provide accurate updates through future Supplemental Form 27 submittals.	Supplemental Form 27 Doc No. 404137350	03/25/2025

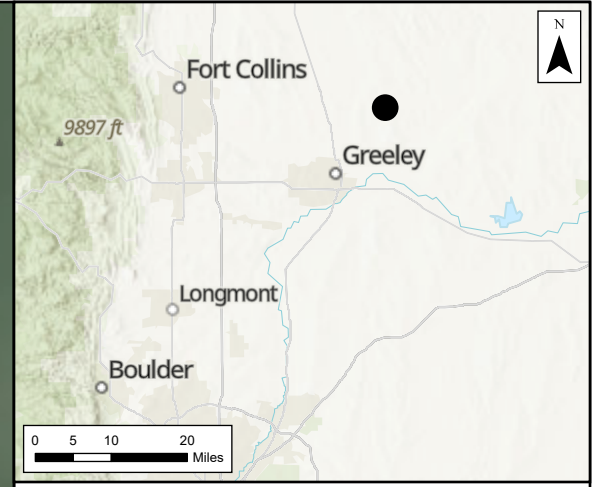
## 4. PLANNED/RECOMMENDED ACTIVITIES

In response to the confirmed alterations described in Section 2.2 the following initial corrective actions have been implemented:

- Submittal of a Supplemental Form 27, including this DIR/RAP memorandum and summary tables and figure updated based on the encrypted laboratory report.
- Additionally, this Supplemental Form 27 includes documentation of all outstanding COAs along with a remedial action plan to address all pending activities for this site. The following site activities are planned:
  - Collect additional background samples from soil of native and/or similar lithologic material not impacted by oil and gas activity to compare and calculate a site-specific local clean-up level. Following comparison to the site-specific local clean-up level, if necessary, further delineation will be conducted to address exceedances.
  - Evaluate depth to groundwater to determine the applicability of GSSLs. If necessary, further delineation will be conducted to address exceedances.

APPENDIX A

CORRECTED SOIL ANALYTICAL RESULTS  
SUMMARY FIGURE AND TABLES



**Legend**

- Soil Sample Location

**Notes:**

Yellow cells indicate values lower than encrypted lab report data.  
 Green values are above ECMC Table 915-1 and representative of background levels.  
 Red values are above ECMC Table 915-1 and calculated background levels.

ECMC Table 915-1 GSSLs Listed in mg/kg  
 Arsenic = 0.29 (max. BG = 3.98) (1.25x max. BG = 4.97)  
 Barium = 82 (max. BG = 74.4) (1.25x max. BG = 93.0)

ECMC = Energy and Carbon Management Commission  
 ft bgs = feet below ground surface  
 WH = Wellhead  
 FL = Flowline  
 GSSL = Groundwater Soil Screening Levels  
 mg/kg = milligram per kilogram

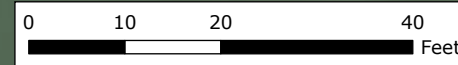
**Figure A-1  
 Observed Data Alterations and Discrepancies for Soil Samples for Data Integrity Review**

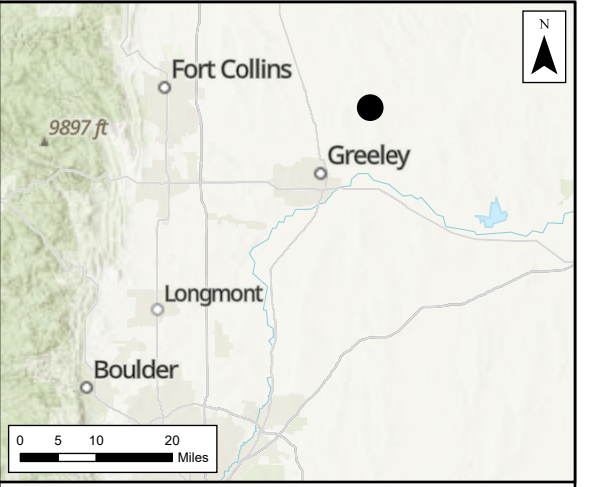
DILARD - USX AB 29-17  
 REM# 32095  
 Operator: 100322  
 Weld County, CO  
 104.56851°W 40.54745°N  
 SENE Sec29 T7N R64W PM6  
 API# 123-24566



Background-01@2'				
Sample Date	Analyte	Observed Alterations Data Presented by Eagle	Observed Alterations 02/28/2024 Lab Report Data Reported/Submitted by Eagle	02/13/25 Encrypted Reissuance of 02/28/2024 Lab Report Data Delivered to ERM by Origins
2/13/2024	Arsenic	2.27	2.27	3.98

WH-FS-01@7'				
Sample Date	Analyte	Observed Alterations Data Presented by Eagle	Observed Alterations 02/28/2024 Lab Report Data Reported/Submitted by Eagle	02/13/25 Encrypted Reissuance of 02/28/2024 Lab Report Data Delivered to ERM by Origins
2/13/2024	Arsenic	2.21	2.21	3.58
	Barium	66.9	66.9	113





### Legend

- Soil Sample Location

#### Notes:

Sampling conducted by former consultant on 13 Feb, 2024.  
**Green** values are above ECMC Table 915-1 and representative of background levels.  
**Red** values are above ECMC Table 915-1 and/or calculated background levels.

Analytical results below laboratory detection limits, or within compliance of ECMC Table 915-1 not shown.

ECMC Table 915-1 GSSLs Listed in mg/kg  
 Arsenic = 0.29 (max. BG = 3.98) (1.25x max. BG = 4.97)  
 Barium = 82 (max. BG = 74.4) (1.25x max. BG = 93.0)

ECMC = Energy and Carbon Management Commission  
 ft bgs = feet below ground surface  
 BG = Background  
 FL = Flowline  
 WH = Wellhead  
 GSSL = Groundwater Soil Screening Levels  
 mg/kg = milligram per kilogram

**Figure A-2**  
**Exceedance Values**  
**in Soil Samples**  
 DILARD - USX AB 29-17  
 REM# 32095  
 Operator: 100322  
 Weld County, CO  
 104.56851°W 40.54745°N  
 SENE Sec29 T7N R64W PM6  
 API# 123-24566

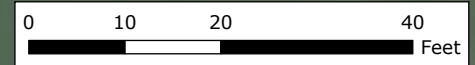


TABLE A-1  
 Historical Soil Sample and Field Screening Information  
 OPERATOR (NOBLE 100322)  
 DILLARD - USX AB 29-17, WELD COUNTY, COLORADO  
 REM # 32095

Sample ID	Sample Date	Depth (ft bgs)	GPS Data Latitude	GPS Data Longitude	VOC Concentration (ppm)
Background-01@2' †	02/13/2024	2	40.54748	-104.56856	0.3
WH-E at 0.5 ft †	02/13/2024	0.5	40.54744	-104.56847	0.2
WH-FS-01@7' †	02/13/2024	7	40.54745	-104.56852	2.3
WH-N at 0.5 ft †	02/13/2024	0.5	40.54748	-104.56852	1.1
WH-S at 0.5 ft †	02/13/2024	0.5	40.54741	-104.56851	0.5
WH-SS-01 at 6 ft †	02/13/2024	6	40.54747	-104.56852	1.2
WH-SS-02 at 6 ft †	02/13/2024	6	40.54744	-104.56849	0.5
WH-SS-03 at 6 ft †	02/13/2024	6	40.54743	-104.56852	1.2
WH-SS-04 at 6 ft †	02/13/2024	6	40.54745	-104.56853	1.7
WH-W at 0.5 ft †	02/13/2024	0.5	40.54745	-104.56856	0.4

Notes:

1. Global Positioning System (GPS) data is provided in decimal degrees using North American Datum (NAD) 83 UTM Zone 13 Nor
2. Volatile organic compound (VOC) concentrations are measured in the field using a photoionization detector (PID).

ppm = Parts per million  
 ft bgs = Feet below ground surface  
 † = EAGLE

TABLE A-2  
 Historical Soil Analytical Results Summary Table – Organics  
 OPERATOR (NOBLE 100322)  
 DILLARD - USX AB 29-17, WELD COUNTY, COLORADO  
 REM # 32095

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	1,2,4-Trimethyl-Benzene (mg/kg)	1,3,5-Trimethyl-Benzene (mg/kg)	Naphthalene (mg/kg)	TPH	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			1.2	490	5.8	58	30	27	2	500	500**		
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.0026	0.69	0.78	9.9	0.0081	0.0087	0.0038	500	500**		
WH-FS-01@7' †	02/13/2024	7	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00200 U	< 0.00380 U	< 100	< 0.200 U	< 25.0 U	< 100 U

Notes:

1. Bold values exceed the ECMC Table 915-1 limit(s)
2. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
3. \* Indicates laboratory minimum detection limit in excess of SSL
4. \*\* Summation of GRO+DRO+ORO must be less than 500 mg/kg

ECMC = Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

TPH-GRO = Total petroleum hydrocarbons - gasoline range organics

TPH-DRO = Total petroleum hydrocarbons - diesel range organics

TPH-ORO = Total petroleum hydrocarbons - oil range organics

mg/kg = Milligrams per kilogram

ft bgs = Feet below ground surface

Assume wet weight on all historical data unless the lab data specifies wet vs. dry.

† = EAGLE

Qualifier Definition(s)

Origins Laboratory, Inc:

U = Sample is Non-Detect.

TABLE A-3  
 Historical Soil Analytical Results Summary Table – PAHs  
 OPERATOR (NOBLE 100322)  
 DILLARD - USX AB 29-17, WELD COUNTY, COLORADO  
 REM # 32095

Sample ID	Sample Date	Depth (ft bgs)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a)anthracene (mg/kg)	Benzo(a)pyrene (mg/kg)	Benzo(b)fluoranthene (mg/kg)	Benzo(k)fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h)anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno(1,2,3-cd)pyrene (mg/kg)	Pyrene (mg/kg)	1-Methyl-Naphthalene (mg/kg)	2-Methyl-Naphthalene (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			360	1800	1.1	0.11	1.1	11	110	0.11	240	240	1.1	180	18	24
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.55	5.8	0.011	0.24	0.3	2.9	9	0.096	8.9	0.54	0.98	1.3	0.006	0.019
WH-FS-01@7'†	02/13/2024	7	< 0.020 U	< 0.020 U	< 0.005 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.020 U	< 0.002 U	< 0.002 U

Notes:

- Bold values exceed the ECMC Table 915-1 limit(s)
- Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL)
- \* Indicates laboratory minimum detection limit in excess of SSL

ECMC = Energy and Carbon Management Commission  
 mg/kg = Milligrams per kilogram  
 ft bgs = Feet below ground surface

Assume wet weight on all historical data unless the lab data specifies wet vs. dry.  
 † = EAGLE

Qualifier Definition(s)  
 Origins Laboratory, Inc:  
 U = Sample is Non-Detect.

TABLE A-4  
 Historical Soil Analytical Results Summary Table – SSR  
 OPERATOR (NOBLE 100322)  
 DILLARD - USX AB 29-17, WELD COUNTY, COLORADO  
 REM # 32095

Sample ID	Sample Date	Depth (ft bgs)	pH (Standard Units)	EC (mmhos/cm)	SAR (Standard Units)	Boron (mg/L)
ECMC Table 915-1 Soil Suitability Limits			6-8.3	4	6	2
Background-01@2' †	02/13/2024	2	7.64	1.61	0.931	0.620
WH-FS-01@7' †	02/13/2024	7	8.18	0.448	2.27	0.180
Maximum Background Concentration			NA	NA	NA	NA
<p>Notes:</p> <ol style="list-style-type: none"> <li>1. Bold faced values exceed the ECMC Table 915-1 limit(s), but are within background concentrations.</li> <li>2. <b>Bold</b> faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.</li> <li>3. <b>Brown highlighted soil analytical values indicate an exceedance of Table 915-1.</b></li> </ol> <p>ECMC = Energy and Carbon Management Commission            NA - Not analyzed            ft bgs = Feet below ground surface            mg/L = milligrams per liter            mmhos/cm = millimhos per centimeter</p> <p>Assume wet weight on all historical data unless the lab data specifies wet vs. dry.            † = EAGLE</p>						

TABLE A-5  
 Historical Soil Analytical Results Summary Table - Metals  
 OPERATOR (NOBLE 100322)  
 DILLARD - USX AB 29-17, WELD COUNTY, COLORADO  
 REM # 32095

Sample ID	Sample Date	Depth (ft bgs)	Arsenic (mg/kg)	Barium (mg/kg)	Cadmium (mg/kg)	Chromium (VI) (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Zinc (mg/kg)
ECMC Table 915-1 Limits (Residential SSL)			0.68	15000	71	0.3	3100	400	1500	390	390	23000
ECMC Table 915-1 Limits (Protection of Groundwater SSL)			0.29	82	0.38	0.00067	46	14	26	0.26	0.8	370
Background-01@2' †	02/13/2024	2	3.98	74.4	0.205	< 0.5*	11.8	8.38	7.89	0.251	< 0.0948	54.9
WH-FS-01@7' †	02/13/2024	7	3.58	113	0.0959	< 0.5*	< 9.50	5.04	5.29	0.142	< 0.0950	19.5
1.25x Maximum Background Concentration			4.975	93	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1. Bold faced values exceed the ECMC Table 915-1 limit(s), but are within 1.25x background concentrations.
2. **Red** faced values exceed the ECMC Table 915-1 limit(s) and native background concentrations.
3. Red & blue highlighted soil analytical values indicate an exceedance of the referenced soil screening level (SSL).
4. Non-detect background results accounted for in the highest background concentration by using the reporting limit.

ECMC = Energy and Carbon Management Commission

(<) = Analytical result is less than the indicated laboratory reporting limit.

ft bgs = Feet below ground surface

mg/kg = Milligrams per kilogram

\* Indicates laboratory minimum detection limit in excess of SSL

NA - Not analyzed

Assume wet weight on all historical data unless the lab data specifies wet vs. dry.

Background data collected by previous consultant was not utilized in the site background determination/compliance evaluation process.

† = EAGLE

APPENDIX B

ALTERED ANALYTICAL LABORATORY  
REPORT SUBMITTED BY EAGLE TO ECMC



February 28, 2024

Eagle Environmental Consulting, LLC

Andrew Newberry

8000 W 44th Ave

Wheat Ridge CO 80033

Project Name - Noble - Dillard USX AB #29-17

Project Number - [none]

Attached are your analytical results for Noble - Dillard USX AB #29-17 received by Origins Laboratory, Inc. February 14, 2024. This project is associated with Origins project number Y402330-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.  
303.433.1322  
o-squad@oelabinc.com



Eagle Environmental Consulting, LLC  
8000 W 44th Ave  
Wheat Ridge CO 80033

Andrew Newberry  
Project Number: [none]  
Project: Noble - Dillard USX AB #29-17

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WH-FS-01@7'	Y402330-01	Soil	February 13, 2024 12:12	02/14/2024 13:02
Background-01@2'	Y402330-02	Soil	February 13, 2024 12:14	02/14/2024 13:02

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*



Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

Origins Laboratory

F-012207-01-R1  
 Effective Date: 01/09/12

**Sample Receipt Checklist**

Origins Work Order: 4402330 Client: Eagle  
 Client Project ID: Dillard USX AB 29-17  
 Checklist Completed by: EHS Shipped Via: HO  
 Date/time completed: 2/14/24 (UPS, FedEx, Hand Delivered, Pick-up, etc.)  
 Airbill #: N/A  
 Matrix(s) Received: (Check all that apply):  Soil/Solid  Water  Other: \_\_\_\_\_  
 Cooler Number/Temperature: 1 / 2.5 °C \_\_\_\_\_ / \_\_\_\_\_ °C \_\_\_\_\_ / \_\_\_\_\_ °C (Describe)  
 Thermometer ID: T004

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is there ice present (document if blue ice is used)	<input checked="" type="checkbox"/>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<input checked="" type="checkbox"/>		
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Are short holding time analytes or samples with HTs due within 48 hours present <sup>(1)</sup> ?		<input checked="" type="checkbox"/>		
Is a chain-of-custody (COC) present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client with date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation and was it checked <sup>(1)</sup> ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO <sub>3</sub> , HCL, H <sub>2</sub> SO <sub>4</sub> ) / (pH >10 for samples preserved with NaAsO <sub>2</sub> +NaOH, ZnAc+NaOH)			<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup>If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Reviewed by (Project Manager) [Signature] Date/Time Reviewed 2/15/24

Origins Laboratory, Inc.

[Signature]

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**WH-FS-01@7'**

**2/13/2024 12:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402330-01 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.180		0.0988	mg/L	1	B4B1610	02/16/2024	02/19/2024	
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**DRO/ORO by EPA 8015D**

Diesel (C10-C28)	ND		25.0	mg/kg	1	B4B1901	02/19/2024	02/22/2024	U
Residual Range Organics (C28-C40)	ND		100	"	"	"	"	"	U

Surrogate: o-Terphenyl	93.3 %		50-150			"	"	"	
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**GBTEX+TMBs by 8260D**

1,2,4-Trimethylbenzene	ND		0.00200	mg/kg	1	B4B1503	02/15/2024	02/15/2024	U
1,3,5-Trimethylbenzene	ND		0.00200	"	"	"	"	"	U
Benzene	ND		0.00200	"	"	"	"	"	U
Ethylbenzene	ND		0.00200	"	"	"	"	"	U
Naphthalene	ND		0.00380	"	"	"	"	"	U
Toluene	ND		0.00200	"	"	"	"	"	U
Xylenes, total	ND		0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND		0.200	"	"	"	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**WH-FS-01@7'**

**2/13/2024 12:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402330-01 (Soil)**

**GBTEX+TMBs by 8260D**

Surrogate: 1,2-Dichloroethane-d4	99.9 %		70-130			B4B15 03	02/15/2024	02/15/2024	
Surrogate: Toluene-d8	99.9 %		70-130			"	"	"	
Surrogate: 4-Bromofluorobenzene	98.9 %		70-130			"	"	"	

**Metals by Saturated Paste by EPA 6010**

Calcium	1.97		0.499	meq/L	10	[CALC]	02/16/2024	02/19/2024	
Magnesium	0.913		0.823	"	"	"	"	"	
Sodium	1.53		0.435	"	"	"	"	"	

**PAH by EPA 8270E**

1-Methylnaphthalene	ND		0.002	mg/kg	1	B4B2006	02/20/2024	02/21/2024	U
2-Methylnaphthalene	ND		0.002	"	"	"	"	"	U
Acenaphthene	ND		0.020	"	"	"	"	"	U
Anthracene	ND		0.020	"	"	"	"	"	U
Benzo (a) anthracene	ND		0.005	"	"	"	"	"	U
Benzo (a) pyrene	ND		0.020	"	"	"	"	"	U
Benzo (b) fluoranthene	ND		0.020	"	"	"	"	"	U
Benzo (k) fluoranthene	ND		0.020	"	"	"	"	"	U
Chrysene	ND		0.020	"	"	"	"	"	U
Dibenz (a,h) anthracene	ND		0.020	"	"	"	"	"	U

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**WH-FS-01@7'**

**2/13/2024 12:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402330-01 (Soil)**

**PAH by EPA 8270E**

Fluoranthene	ND		0.020	mg/kg	1	B4B2006	02/20/2024	02/21/2024	U
Fluorene	ND		0.020	"	"	"	"	"	U
Indeno (1,2,3-cd) pyrene	ND		0.020	"	"	"	"	"	U
Pyrene	ND		0.020	"	"	"	"	"	U

Surrogate: Fluorene-d10	100 %		60-130			"	"	"	
Surrogate: Anthracene-d10	94.4 %		60-130			"	"	"	
Surrogate: Pyrene-d10	95.1 %		60-130			"	"	"	
Surrogate: Benzo (a) pyrene-d12	101 %		60-130			"	"	"	

**pH in Soil by 9045D**

pH	8.18			pH Units	1	B4B1620	02/16/2024	02/18/2024	
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**SAR by 20B Saturated Paste**

SAR	2.27		0.0100	SAR	1	B4B1615	02/16/2024	02/19/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	0.448		0.00500	mmhos/cm	1	B4B1620	02/16/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**WH-FS-01@7'**

**2/13/2024 12:12:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402330-01 (Soil)**

**Table 915 metals by EPA 6020B**

Arsenic	2.21		0.0950	mg/kg	10	B4B1435	02/14/2024	02/20/2024	
Barium	66.9		9.50	"	"	"	"	"	
Cadmium	0.0959		0.0950	"	"	"	"	"	
Copper	ND		9.50	"	"	"	"	"	
Lead	5.04		0.950	"	"	"	"	"	
Nickel	5.29		0.950	"	"	"	"	"	
Selenium	0.142		0.0950	"	"	"	"	"	
Silver	ND		0.0950	"	"	"	"	"	
Zinc	19.5		9.50	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L734869	02/13/2024	02/26/2024	
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Origins Laboratory, Inc.



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 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**Background-01@2'**  
**2/13/2024 12:14:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402330-02 (Soil)**

**Boron (DTPA Sorbitol)**

Boron	0.620		0.0989	mg/L	1	B4B1610	02/16/2024	02/19/2024	
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**Metals by Saturated Paste by EPA 6010**

Calcium	6.87		0.499	meq/L	10	[CALC]	02/16/2024	02/19/2024	
Magnesium	4.38		0.823	"	"	"	"	"	
Sodium	2.21		0.435	"	"	"	"	"	

**pH in Soil by 9045D**

pH	7.64			pH Units	1	B4B1620	02/16/2024	02/18/2024	
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**SAR by 20B Saturated Paste**

SAR	0.931		0.0100	SAR	1	B4B1615	02/16/2024	02/19/2024	
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**Specific Conductance Mod. 9050A**

Specific Conductance (EC)	1.61		0.00500	mmhos/cm	1	B4B1620	02/16/2024	02/18/2024	
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**Table 915 metals by EPA 6020B**

Arsenic	2.27		0.0948	mg/kg	10	B4B1435	02/14/2024	02/20/2024	
Barium	74.4		9.48	"	"	"	"	"	
Cadmium	0.205		0.0948	"	"	"	"	"	
Copper	11.8		9.48	"	"	"	"	"	

Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**Background-01@2'**  
**2/13/2024 12:14:00PM**

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
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**Origins Laboratory, Inc.**  
**Y402330-02 (Soil)**

**Table 915 metals by EPA 6020B**

Lead	8.38		0.948	mg/kg	10	B4B1435	02/14/2024	02/20/2024	
Nickel	7.89		0.948	"	"	"	"	"	
Selenium	0.251		0.0948	"	"	"	"	"	
Silver	ND		0.0948	"	"	"	"	"	
Zinc	54.9		9.48	"	"	"	"	"	

**Total Metals by 7196A**

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L734869	02/13/2024	02/26/2024	
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Origins Laboratory, Inc.



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Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1503 - EPA 5030 (soil)**

**Blank (B4B1503-BLK1)**

Prepared: 02/15/2024 Analyzed: 02/15/2024

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.00380	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125	89.7		70-130			
Surrogate: Toluene-d8	0.13		"	0.125	102		70-130			
Surrogate: 4-Bromofluorobenzene	0.13		"	0.125	101		70-130			

Origins Laboratory, Inc.



*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1503 - EPA 5030 (soil)**

**LCS (B4B1503-BS1)**

Prepared: 02/15/2024 Analyzed: 02/15/2024

1,2,4-Trimethylbenzene	0.107	0.00200	mg/kg	0.100		107	70-130			
1,3,5-Trimethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Benzene	0.101	0.00200	"	0.100		101	70-130			
Ethylbenzene	0.111	0.00200	"	0.100		111	70-130			
Naphthalene	0.0968	0.00380	"	0.100		96.8	70-130			
Toluene	0.0991	0.00200	"	0.100		99.1	70-130			
o-Xylene	0.0938	0.00200	"	0.100		93.8	70-130			
m,p-Xylene	0.217	0.00400	"	0.200		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.11		"	0.125		88.9	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		96.1	70-130			

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Andrew Newberry  
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 Project: Noble - Dillard USX AB #29-17

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1503 - EPA 5030 (soil)**

<b>Matrix Spike (B4B1503-MS1)</b>	<b>Source: Y402324-01</b>			<b>Prepared: 02/15/2024 Analyzed: 02/15/2024</b>						
1,2,4-Trimethylbenzene	0.0822	0.00200	mg/kg	0.100	ND	82.2	70-130			
1,3,5-Trimethylbenzene	0.0855	0.00200	"	0.100	ND	85.5	70-130			
Benzene	0.0822	0.00200	"	0.100	ND	82.2	70-130			
Ethylbenzene	0.0891	0.00200	"	0.100	ND	89.1	70-130			
Naphthalene	0.0879	0.00380	"	0.100	ND	87.9	70-130			
Toluene	0.0808	0.00200	"	0.100	ND	80.8	70-130			
o-Xylene	0.0843	0.00200	"	0.100	ND	84.3	70-130			
m,p-Xylene	0.179	0.00400	"	0.200	ND	89.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		102	70-130			
Surrogate: Toluene-d8	0.13		"	0.125		100	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		99.1	70-130			

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 Project: Noble - Dillard USX AB #29-17

**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B1503 - EPA 5030 (soil)

Matrix Spike Dup (B4B1503-MSD1)	Source: Y402324-01			Prepared: 02/15/2024 Analyzed: 02/15/2024						
1,2,4-Trimethylbenzene	0.0976	0.00200	mg/kg	0.100	ND	97.6	70-130	17.1	20	
1,3,5-Trimethylbenzene	0.101	0.00200	"	0.100	ND	101	70-130	16.5	20	
Benzene	0.0972	0.00200	"	0.100	ND	97.2	70-130	16.8	20	
Ethylbenzene	0.102	0.00200	"	0.100	ND	102	70-130	13.5	20	
Naphthalene	0.110	0.00380	"	0.100	ND	110	70-130	22.4	20	QR-02
Toluene	0.0949	0.00200	"	0.100	ND	94.9	70-130	16.1	20	
o-Xylene	0.0966	0.00200	"	0.100	ND	96.6	70-130	13.6	20	
m,p-Xylene	0.207	0.00400	"	0.200	ND	104	70-130	14.8	20	
Surrogate: 1,2-Dichloroethane-d4	0.13		"	0.125		103	70-130			
Surrogate: Toluene-d8	0.12		"	0.125		99.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.7	70-130			

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**Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4B1901 - EPA 3550B</b>										
<b>Blank (B4B1901-BLK1)</b>										
					Prepared: 02/19/2024 Analyzed: 02/21/2024					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		86.0	50-150			

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**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1901 - EPA 3550B**

**LCS (B4B1901-BS1)**

Prepared: 02/19/2024 Analyzed: 02/21/2024

Diesel (C10-C28)	1030	50.0	mg/kg	1000		103	70-130			
Residual Range Organics (C28-C40)	1180	200	"	1000		118	70-130			
Surrogate: o-Terphenyl	46		"	49.8		92.4	50-150			

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**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4B1901 - EPA 3550B</b>										
<b>Matrix Spike (B4B1901-MS1)</b>		<b>Source: Y402331-01</b>			Prepared: 02/19/2024 Analyzed: 02/21/2024					
Diesel (C10-C28)	979	50.0	mg/kg	1000	ND	97.9	70-130			
Residual Range Organics (C28-C40)	1130	200	"	1000	ND	113	70-130			
Surrogate: o-Terphenyl	51		"	49.8		103	50-150			

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**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4B1901 - EPA 3550B</b>										
<b>Matrix Spike Dup (B4B1901-MSD1)</b>					<b>Source: Y402331-01</b>					Prepared: 02/19/2024 Analyzed: 02/21/2024
Diesel (C10-C28)	984	50.0	mg/kg	1000	ND	98.4	70-130	0.432	35	
Residual Range Organics (C28-C40)	1130	200	"	1000	ND	113	70-130	0.516	35	
Surrogate: o-Terphenyl	41		"	49.8		82.6	50-150			

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**Extractable Petroleum Hydrocarbons by 8015D - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1435 - EPA 3050B**

**Blank (B4B1435-BLK1)**

Prepared: 02/14/2024 Analyzed: 02/19/2024

Arsenic	ND	0.0100	mg/kg							
Barium	ND	1.00	"							
Cadmium	ND	0.0100	"							
Copper	ND	1.00	"							
Lead	ND	0.100	"							
Nickel	ND	0.100	"							
Selenium	ND	0.0100	"							
Silver	ND	0.0100	"							
Zinc	ND	1.00	"							

**LCS (B4B1435-BS1)**

Prepared: 02/14/2024 Analyzed: 02/19/2024

Arsenic	5.00	0.0100	mg/kg	5.00		100	80-120			
Barium	491	1.00	"	500		98.2	80-120			
Cadmium	4.75	0.0100	"	5.00		95.0	80-120			
Copper	52.0	1.00	"	50.0		104	80-120			
Lead	5.18	0.100	"	5.00		104	80-120			
Nickel	5.14	0.100	"	5.00		103	80-120			
Selenium	5.04	0.0100	"	5.00		101	80-120			
Silver	5.05	0.0100	"	5.00		101	80-120			
Zinc	51.0	1.00	"	50.0		102	80-120			

**Matrix Spike (B4B1435-MS1)**

Source: Y402322-05

Prepared: 02/14/2024 Analyzed: 02/19/2024

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**Metals by EPA 6000/7000 Series Methods - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1435 - EPA 3050B**

<b>Matrix Spike (B4B1435-MS1)</b>		<b>Source: Y402322-05</b>			Prepared: 02/14/2024 Analyzed: 02/19/2024					
Arsenic	10.3	0.0875	mg/kg	4.37	5.63	107	75-125			
Barium	664	8.75	"	437	182	110	75-125			
Cadmium	4.60	0.0875	"	4.37	0.167	101	75-125			
Copper	54.5	8.75	"	43.7	10.2	101	75-125			
Lead	13.3	0.875	"	4.37	9.08	97.5	75-125			
Nickel	15.8	0.875	"	4.37	11.7	92.0	75-125			
Selenium	4.48	0.0875	"	4.37	0.257	96.5	75-125			
Silver	4.76	0.0875	"	4.37	0.0479	108	75-125			
Zinc	88.0	8.75	"	43.7	45.7	96.7	75-125			

<b>Matrix Spike Dup (B4B1435-MSD1)</b>		<b>Source: Y402322-05</b>			Prepared: 02/14/2024 Analyzed: 02/19/2024					
Arsenic	9.48	0.0876	mg/kg	4.38	5.63	87.9	75-125	8.40	20	
Barium	623	8.76	"	438	182	101	75-125	6.37	20	
Cadmium	4.64	0.0876	"	4.38	0.167	102	75-125	0.827	20	
Copper	52.0	8.76	"	43.8	10.2	95.5	75-125	4.75	20	
Lead	14.0	0.876	"	4.38	9.08	112	75-125	4.56	20	
Nickel	15.4	0.876	"	4.38	11.7	82.6	75-125	2.63	20	
Selenium	4.66	0.0876	"	4.38	0.257	101	75-125	3.98	20	
Silver	4.40	0.0876	"	4.38	0.0479	99.4	75-125	7.79	20	
Zinc	84.1	8.76	"	43.8	45.7	87.8	75-125	4.45	20	

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Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B2006 - EPA 3580**

**Blank (B4B2006-BLK1)**

Prepared: 02/20/2024 Analyzed: 02/21/2024

1-Methylnaphthalene	ND	0.002	mg/kg							U
2-Methylnaphthalene	ND	0.002	"							U
Acenaphthene	ND	0.020	"							U
Anthracene	ND	0.020	"							U
Benzo (a) anthracene	ND	0.005	"							U
Benzo (a) pyrene	ND	0.020	"							U
Benzo (b) fluoranthene	ND	0.020	"							U
Benzo (g,h,i) perylene	ND	0.020	"							U
Benzo (k) fluoranthene	ND	0.020	"							U
Chrysene	ND	0.020	"							U
Dibenz (a,h) anthracene	ND	0.020	"							U
Fluoranthene	ND	0.020	"							U
Fluorene	ND	0.020	"							U
Indeno (1,2,3-cd) pyrene	ND	0.020	"							U
Naphthalene	ND	0.002	"							U
Phenanthrene	ND	0.020	"							U
Pyrene	ND	0.020	"							U

Surrogate: Fluorene-d10	200		ug/kg	200		99.5	60-130			
Surrogate: Anthracene-d10	190		"	200		93.0	60-130			
Surrogate: Pyrene-d10	190		"	200		94.5	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		104	60-130			

**LCS (B4B2006-BS1)**

Prepared: 02/20/2024 Analyzed: 02/21/2024

1-Methylnaphthalene	0.191	0.002	mg/kg	0.200		95.6	70-130			
2-Methylnaphthalene	0.188	0.002	"	0.200		94.1	70-130			
Acenaphthene	0.193	0.020	"	0.200		96.3	70-130			
Anthracene	0.193	0.020	"	0.200		96.7	70-130			

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Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B2006 - EPA 3580**

**LCS (B4B2006-BS1)**

Prepared: 02/20/2024 Analyzed: 02/21/2024

Benzo (a) anthracene	0.212	0.005	mg/kg	0.200		106	70-130			
Benzo (a) pyrene	0.200	0.020	"	0.200		100	70-130			
Benzo (b) fluoranthene	0.196	0.020	"	0.200		97.8	70-130			
Benzo (g,h,i) perylene	0.202	0.020	"	0.200		101	70-130			
Benzo (k) fluoranthene	0.189	0.020	"	0.200		94.6	70-130			
Chrysene	0.200	0.020	"	0.200		100	70-130			
Dibenz (a,h) anthracene	0.203	0.020	"	0.200		102	70-130			
Fluoranthene	0.191	0.020	"	0.200		95.5	70-130			
Fluorene	0.197	0.020	"	0.200		98.5	70-130			
Indeno (1,2,3-cd) pyrene	0.203	0.020	"	0.200		101	70-130			
Naphthalene	0.197	0.002	"	0.200		98.4	70-130			
Phenanthrene	0.187	0.020	"	0.200		93.6	70-130			
Pyrene	0.181	0.020	"	0.200		90.6	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		99.9	60-130			
Surrogate: Anthracene-d10	190		"	200		95.0	60-130			
Surrogate: Pyrene-d10	190		"	200		92.9	60-130			
Surrogate: Benzo (a) pyrene-d12	210		"	200		103	60-130			

**Matrix Spike (B4B2006-MS1)**

Source: Y402326-01

Prepared: 02/20/2024 Analyzed: 02/21/2024

1-Methylnaphthalene	0.182	0.002	mg/kg	0.200	ND	90.9	70-130			
2-Methylnaphthalene	0.180	0.002	"	0.200	ND	90.2	70-130			
Acenaphthene	0.186	0.020	"	0.200	ND	92.8	70-130			
Anthracene	0.185	0.020	"	0.200	ND	92.5	70-130			
Benzo (a) anthracene	0.203	0.005	"	0.200	ND	101	70-130			
Benzo (a) pyrene	0.197	0.020	"	0.200	ND	98.5	70-130			
Benzo (b) fluoranthene	0.189	0.020	"	0.200	0.0004	94.5	70-130			
Benzo (g,h,i) perylene	0.195	0.020	"	0.200	0.0006	97.4	70-130			

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**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B2006 - EPA 3580**

<b>Matrix Spike (B4B2006-MS1)</b>	<b>Source: Y402326-01</b>			<b>Prepared: 02/20/2024 Analyzed: 02/21/2024</b>						
Benzo (k) fluoranthene	0.187	0.020	mg/kg	0.200	ND	93.6	70-130			
Chrysene	0.194	0.020	"	0.200	ND	96.9	70-130			
Dibenz (a,h) anthracene	0.200	0.020	"	0.200	ND	99.9	70-130			
Fluoranthene	0.186	0.020	"	0.200	ND	93.2	70-130			
Fluorene	0.190	0.020	"	0.200	ND	95.0	70-130			
Indeno (1,2,3-cd) pyrene	0.203	0.020	"	0.200	ND	101	70-130			
Naphthalene	0.187	0.002	"	0.200	ND	93.5	70-130			
Phenanthrene	0.178	0.020	"	0.200	ND	89.1	70-130			
Pyrene	0.174	0.020	"	0.200	ND	86.8	70-130			
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		95.0	60-130			
Surrogate: Pyrene-d10	190		"	200		93.3	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		101	60-130			

<b>Matrix Spike Dup (B4B2006-MSD1)</b>	<b>Source: Y402326-01</b>			<b>Prepared: 02/20/2024 Analyzed: 02/21/2024</b>						
1-Methylnaphthalene	0.171	0.002	mg/kg	0.200	ND	85.3	70-130	6.37	20	
2-Methylnaphthalene	0.169	0.002	"	0.200	ND	84.4	70-130	6.58	20	
Acenaphthene	0.173	0.020	"	0.200	ND	86.4	70-130	7.17	20	
Anthracene	0.167	0.020	"	0.200	ND	83.5	70-130	10.2	20	
Benzo (a) anthracene	0.182	0.005	"	0.200	ND	91.0	70-130	10.8	20	
Benzo (a) pyrene	0.178	0.020	"	0.200	ND	88.8	70-130	10.3	20	
Benzo (b) fluoranthene	0.174	0.020	"	0.200	0.0004	87.0	70-130	8.24	20	
Benzo (g,h,i) perylene	0.177	0.020	"	0.200	0.0006	88.3	70-130	9.81	20	
Benzo (k) fluoranthene	0.161	0.020	"	0.200	ND	80.6	70-130	14.9	20	
Chrysene	0.180	0.020	"	0.200	ND	90.0	70-130	7.32	20	
Dibenz (a,h) anthracene	0.179	0.020	"	0.200	ND	89.6	70-130	10.9	20	
Fluoranthene	0.170	0.020	"	0.200	ND	85.0	70-130	9.21	20	

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**EPA 8270E (SW846) - Semivolatile Organic Compounds - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B4B2006 - EPA 3580

Matrix Spike Dup (B4B2006-MSD1)	Source: Y402326-01			Prepared: 02/20/2024 Analyzed: 02/21/2024						
Fluorene	0.175	0.020	mg/kg	0.200	ND	87.5	70-130	8.22	20	
Indeno (1,2,3-cd) pyrene	0.183	0.020	"	0.200	ND	91.3	70-130	10.4	20	
Naphthalene	0.176	0.002	"	0.200	ND	88.2	70-130	5.84	20	
Phenanthrene	0.165	0.020	"	0.200	ND	82.5	70-130	7.67	20	
Pyrene	0.161	0.020	"	0.200	ND	80.4	70-130	7.71	20	
Surrogate: Fluorene-d10	200		ug/kg	200		100	60-130			
Surrogate: Anthracene-d10	190		"	200		94.9	60-130			
Surrogate: Pyrene-d10	190		"	200		93.4	60-130			
Surrogate: Benzo (a) pyrene-d12	200		"	200		102	60-130			

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Eagle Environmental Consulting, LLC  
 8000 W 44th Ave  
 Wheat Ridge CO 80033

Andrew Newberry  
 Project Number: [none]  
 Project: Noble - Dillard USX AB #29-17

**Classical Chemistry Parameters - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch B4B1610 - DTPA Sorbitol Preparation**

**Blank (B4B1610-BLK1)**

Prepared: 02/16/2024 Analyzed: 02/19/2024

Boron ND 0.100 mg/L

**Duplicate (B4B1610-DUP1)**

**Source: Y402328-01**

Prepared: 02/16/2024 Analyzed: 02/19/2024

Boron 0.622 0.100 mg/L 0.603 3.14 50

**Batch B4B1615 - Saturated Paste Metals**

**Blank (B4B1615-BLK1)**

Prepared: 02/16/2024 Analyzed: 02/19/2024

SAR ND 0.0100 SAR

Calcium PPM ND 10.0 mg/L

Magnesium PPM ND 10.0 "

Sodium PPM ND 10.0 "

**Duplicate (B4B1615-DUP1)**

**Source: Y402330-01**

Prepared: 02/16/2024 Analyzed: 02/19/2024

Calcium PPM 38.5 10.0 mg/L 39.5 2.62 50

SAR ND 0.0100 SAR 2.27 200

Magnesium PPM 10.4 10.0 mg/L 11.1 6.04 50

Sodium PPM 35.0 10.0 " 35.2 0.627 50

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 Project: Noble - Dillard USX AB #29-17

**Saturated Paste - Quality Control**  
**Origins Laboratory, Inc.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B4B1620 - Saturated Paste pH/EC</b>										
<b>Blank (B4B1620-BLK1)</b>					Prepared: 02/16/2024 Analyzed: 02/18/2024					
Specific Conductance (EC)	ND	0.00500	mmhos/cm							
<b>Duplicate (B4B1620-DUP1)</b>					Source: Y402330-01 Prepared: 02/16/2024 Analyzed: 02/18/2024					
pH	8.20		pH Units		8.18			0.244	25	
Specific Conductance (EC)	0.365	0.00500	mmhos/cm		0.448			20.4	25	

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**Total Metals by 7196A - Quality Control**  
**Waypoint Analytical, LLC.**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch L734869 -</b>										
<b>DUP (L 87391-DUP)</b>		<b>Source: Y402330-01</b>			Prepared: Analyzed: 02/26/2024					
Chromium, Hexavalent	ND	0.5	mg/Kg		<0.500		-	0	20	
<b>MS (L 87391-MS)</b>		<b>Source: Y402330-01</b>			Prepared: Analyzed: 02/26/2024					
Chromium, Hexavalent	35.2	2.5	mg/Kg	39.9	< 0.244	88	75-125			
<b>LCS (LCS)</b>		Prepared: Analyzed: 02/26/2024								
Chromium, Hexavalent	6.13	0.5	mg/Kg	8		77	75-125			
<b>LRB (LRB)</b>		Prepared: Analyzed: 02/26/2024								
Chromium, Hexavalent	ND	0.5	mg/Kg				-			

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Wheat Ridge CO 80033

Andrew Newberry  
Project Number: [none]  
Project: Noble - Dillard USX AB #29-17

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### Notes and Definitions

U Sample is Non-Detect.

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

All soil results are reported on a wet weight basis.

Calculated results may use J-flag data (instead of reported "ND") as part of calculation to provide a more accurate result.

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Jordan A. Bynon, Project Manager