



July 12, 2018

Mr. Jacob Evans  
Sr. EHS Specialist  
2115 117th Avenue  
Greeley, CO 80634

**Subject: Water Vault Removal  
Wells Ranch USX AA25-09,15,10,16  
40.453793, -104.38124  
SE¼ SE¼ T6N-R63W-S25 L02  
Weld County, Colorado  
Facility ID 415674754**

Dear Mr. Evans,

This letter is being provided by URS to present the results from the water vault removal at the Wells Ranch USX AA25-09,15,10,16 site (site).

On June 19th, 2018, URS collected soil samples following the removal of the water vault at the site. A soil sample was collected from each of the four sidewalls and the floor for field screening. The sidewall soil sample with the highest photoionization detector (PID) reading (WR-USX-AA25-9-Eastwall) and the floor soil sample (WR-USX-AA25-9-Floor) were submitted for laboratory analysis. The sampling was performed in accordance with Noble guidance document Closure of Buried or Partially Buried Produced Water Vessels as per Colorado Oil and Gas Conservation Commission (COGCC) Rule 905.b.(1-4).

Based on laboratory analytical results, neither soil samples exceeded the Colorado Oil and Gas Conservation Commission (COGCC) Table 910-1 concentration limits for benzene, toluene, ethylbenzene, total xylenes (BTEX), naphthalene, or total petroleum hydrocarbons (TPH). The additional analysis of the sidewall sample for specific conductance, pH, and

URS Corporation

6200 S. Quebec Street

Greenwood Village, CO 80111

Tel: 303.694.2770

Fax: 303.694.3946



sodium adsorption ratio (SAR) also did not exceed COGCC Table 910-1 concentration limits.

If you have any questions or require further information, please contact Jim Litz at (303) 228-3066.

Sincerely,

**URS Corporation**

A handwritten signature in black ink, appearing to read "James Ford".

James Ford  
Project Geologist

A handwritten signature in black ink, appearing to read "James Litz".

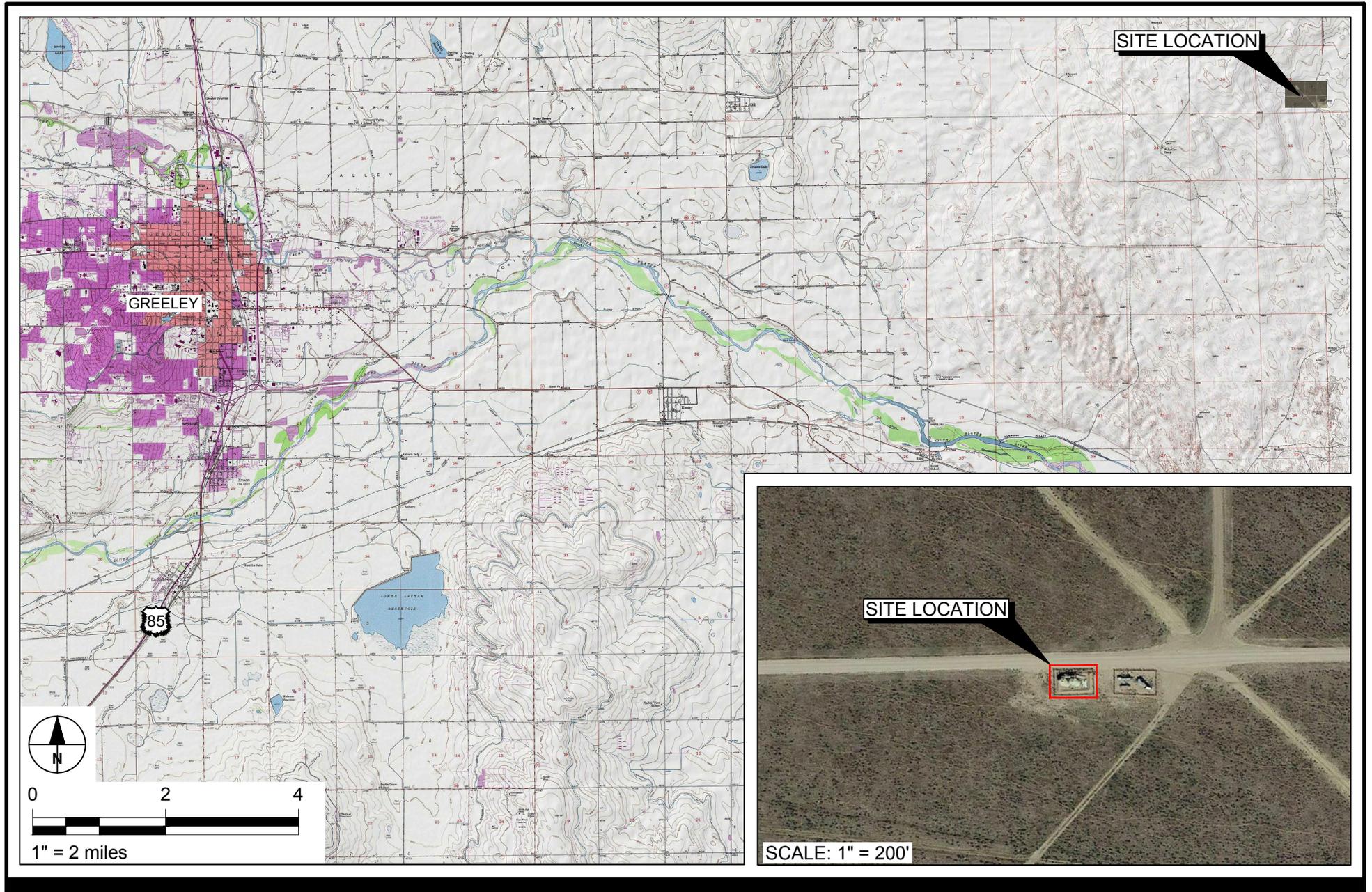
James Litz, P.E.  
Project Manager

Attachments: **Figures**  
Figure 1 - Site Vicinity Map  
Figure 2 – Soil Analytical Results

**Laboratory Analytical Report**



## Figures



Wells Ranch USX AA25-09,15,10,16  
40.453793, -104.38124  
SE¼ SE¼ T6N-R63W-S25 L02  
Weld County, Colorado Date: 07/11/18  
Facility ID 415674754

SITE VICINITY MAP

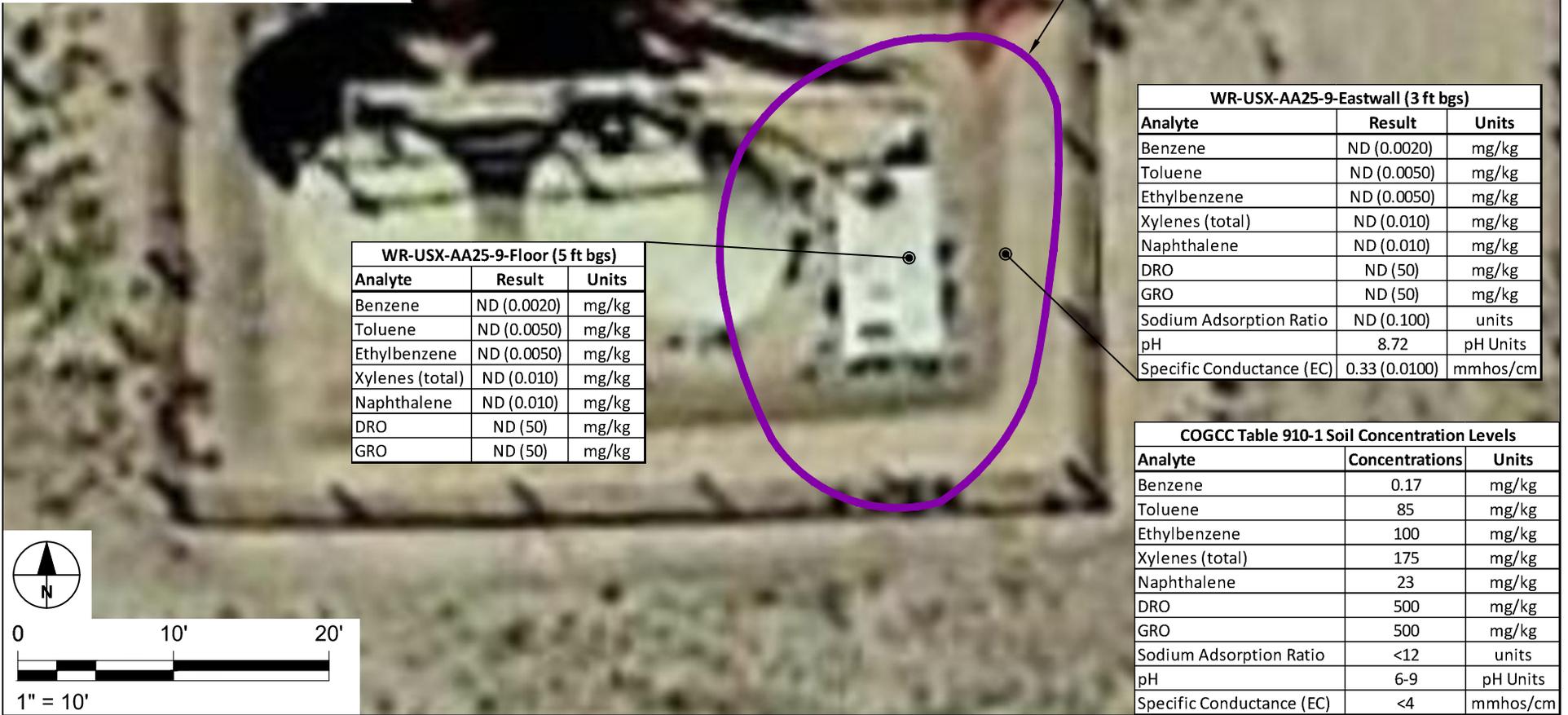


Figure: 1

**Note:**  
 ft bgs = feet below ground surface  
 DRO = Diesel Range Organics  
 GRO = Gasoline Range Organics  
 mg/kg = milligrams/kilogram  
 ND (50) = Non-Detect (Detection Limit)

**LEGEND**

● SAMPLE LOCATIONS



Wells Ranch USX AA25-09,15,10,16  
 40.453793, -104.38124  
 SE¼ SE¼ T6N-R63W-S25 L02  
 Weld County, Colorado Date: 07/11/18  
 Facility ID 415674754

**SOIL ANALYTICAL RESULTS**



**Figure: 2**



## Laboratory Analytical Report

# Summit Scientific

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741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 29, 2018

Jim Litz

AECOM

1601 Prospect Parkway

Ft. Collins, CO 80525

RE: Noble - Wells Ranch USX AA25-9,15,16

Enclosed are the results of analyses for samples received by Summit Scientific on 06/19/18 16:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Paul Shrewsbury For Ben Shrewsbury  
Laboratory Manager



AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

**Reported:**  
06/29/18 08:09

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
WR-USX-AA25-9-Eastwall	1806248-01	Soil	06/19/18 14:35	06/19/18 16:50
WR-USX-AA25-9-Floor	1806248-02	Soil	06/19/18 14:40	06/19/18 16:50

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Summit Scientific

*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.*

1806248

# Summit Scientific

741 Corporate Circle Suite I ♦ Golden, Colorado 80401  
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 1

Client: AECOM/Noble Energy  
Address: 6200 S. Quebec St.  
City/State/Zip: Greenwood Village, CO 80111  
Phone: 303-228-3066 Fax:             
Sampler Name: James Ford

Project Manager: Jim Litz  
E-Mail: jim.litz@aecom.com  
Project Name: Noble Water Vessels  
Project Number: RC# 815902494 Act# 247039

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:							Special Instructions					
				HCl	HNO <sub>3</sub>	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	TPH-DRO	TPH-GRO	Naphthalene	SAR	PH		EC				
WR-USX-AA25-9-EASTWALL	6-19-18	1435	1			X			X				X	X	X	X	X	X	X				
WR-USX-AA25-9-FLOOR	6-19-18	1440	1			X			X				X	X	X	X							
<i>James Ford</i>																							
Relinquished by: <i>James Ford</i>				Date/Time: 6-19-18/1630				Received by: <i>[Signature]</i>				Date/Time: 6-19-18/1630				Turn Around Time (Check)							Notes:  on ice
																Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>							
																24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>							
																48 Hours <input type="checkbox"/>							
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Sample Integrity:							
																Temperature Upon Receipt: 21.2							
																Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							

**Sample Receipt Checklist**

S2 Work Order: 1806248

Client: AECOM/Noise Client Project ID: Noise Water Vessels

Shipped Via: Hand Airbill #: \_\_\_\_\_  
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Matrix (check all that apply):  Air  Soil/Solid  Water  Other: \_\_\_\_\_  
(Describe)

Temp (°C)	<u>21.2</u>
-----------	-------------

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.				
Were all samples received intact <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect				
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

<sup>(1)</sup> If NO, then contact the client before proceeding with analysis and note in case narrative.

UP  
 Custodian Printed Name or Initials

[Signature]  
 Signature or Initials of Custodian

6.19.18 16.56  
 Date/Time



AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

Reported:  
06/29/18 08:09

**WR-USX-AA25-9-Eastwall  
1806248-01 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806330	06/22/18	06/26/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		99.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.0 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806327	06/22/18	06/26/18	EPA 8015M	

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		88.8 %	30-150		"	"	"	"	

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis**

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>4130</b>	11.0	mg/kg dry	1	1806295	06/20/18	06/23/18	EPA 6020B	

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AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

**Reported:**  
06/29/18 08:09

**WR-USX-AA25-9-Eastwall  
1806248-01 (Soil)**

**Summit Scientific**

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Magnesium	306	5.51	mg/kg dry	1	1806295	06/20/18	06/23/18	EPA 6020B	
Sodium	8.19	5.51	"	"	"	"	"	"	

**Calculated Analysis**

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	ND	0.100	units	1	1806347	06/25/18	06/25/18	Calculation	

**Physical Parameters by APHA/ASTM/EPA Methods**

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	90.7		%	1	1806293	06/20/18	06/20/18	Calculation	
pH	8.72		pH Units	"	1806337	06/22/18	06/22/18	EPA 9045D	

**Specific Conductance by EPA Method 120.1**

Date Sampled: **06/19/18 14:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.330	0.0100	mmhos/cm	1	1806338	06/22/18	06/22/18	EPA 120.1	

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AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

Reported:  
06/29/18 08:09

**WR-USX-AA25-9-Floor  
1806248-02 (Soil)**

**Summit Scientific**

**Volatile Organic Compounds by EPA Method 8260B**

Date Sampled: **06/19/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806330	06/22/18	06/26/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Naphthalene	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	50	"	"	"	"	"	"	

Date Sampled: **06/19/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.4 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **06/19/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806327	06/22/18	06/26/18	EPA 8015M	

Date Sampled: **06/19/18 14:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		90.0 %	30-150		"	"	"	"	

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AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

Reported:  
06/29/18 08:09

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike Level	Source		%REC		RPD		Notes
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch 1806330 - EPA 5030 Soil MS**

**Blank (1806330-BLK1)**

Prepared: 06/22/18 Analyzed: 06/26/18

Benzene	ND	0.0020	mg/kg								
Toluene	ND	0.0050	"								
Ethylbenzene	ND	0.0050	"								
Xylenes (total)	ND	0.010	"								
Naphthalene	ND	0.010	"								
Gasoline Range Hydrocarbons	ND	50	"								
Surrogate: 1,2-Dichloroethane-d4	0.0376		"	0.0396		94.8	23-173				
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8	20-170				
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.1	21-167				

**LCS (1806330-BS1)**

Prepared: 06/22/18 Analyzed: 06/26/18

Benzene	0.0891	0.0020	mg/kg	0.100		89.1	70-130				
Toluene	0.0999	0.0050	"	0.100		99.9	70-130				
Ethylbenzene	0.114	0.0050	"	0.100		114	70-130				
m,p-Xylene	0.228	0.010	"	0.200		114	70-130				
o-Xylene	0.104	0.0050	"	0.100		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0360		"	0.0396		90.8	23-173				
Surrogate: Toluene-d8	0.0391		"	0.0400		97.8	20-170				
Surrogate: 4-Bromofluorobenzene	0.0387		"	0.0400		96.8	21-167				

**Matrix Spike (1806330-MS1)**

Source: 1806248-01

Prepared: 06/22/18 Analyzed: 06/26/18

Benzene	0.0905	0.0020	mg/kg	0.100	ND	90.5	70-130				
Toluene	0.102	0.0050	"	0.100	ND	102	70-130				
Ethylbenzene	0.115	0.0050	"	0.100	ND	115	70-130				
m,p-Xylene	0.229	0.010	"	0.200	ND	115	70-130				
o-Xylene	0.102	0.0050	"	0.100	ND	102	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.0363		"	0.0396		91.7	23-173				
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	20-170				
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.4	21-167				

Summit Scientific

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AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

Reported:  
06/29/18 08:09

**Volatile Organic Compounds by EPA Method 8260B - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch 1806330 - EPA 5030 Soil MS**

<b>Matrix Spike Dup (1806330-MSD1)</b>	<b>Source: 1806248-01</b>			Prepared: 06/22/18		Analyzed: 06/26/18				
Benzene	0.0909	0.0020	mg/kg	0.100	ND	90.9	70-130	0.430	30	
Toluene	0.102	0.0050	"	0.100	ND	102	70-130	0.206	30	
Ethylbenzene	0.113	0.0050	"	0.100	ND	113	70-130	1.34	30	
m,p-Xylene	0.225	0.010	"	0.200	ND	112	70-130	1.98	30	
o-Xylene	0.101	0.0050	"	0.100	ND	101	70-130	1.30	30	
Surrogate: 1,2-Dichloroethane-d4	0.0369		"	0.0396		93.1	23-173			
Surrogate: Toluene-d8	0.0397		"	0.0400		99.2	20-170			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.7	21-167			

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AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

Reported:  
06/29/18 08:09

**Extractable Petroleum Hydrocarbons by 8015 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

**Batch 1806327 - EPA 3550A**

**Blank (1806327-BLK1)**

Prepared: 06/22/18 Analyzed: 06/27/18

C10-C28 (DRO) ND 50 mg/kg

**LCS (1806327-BS1)**

Prepared: 06/22/18 Analyzed: 06/27/18

C10-C28 (DRO) 520 50 mg/kg 500 104 70-130

**Matrix Spike (1806327-MS1)**

Source: 1806241-01

Prepared: 06/22/18 Analyzed: 06/27/18

C10-C28 (DRO) 505 50 mg/kg 500 ND 101 70-130

**Matrix Spike Dup (1806327-MSD1)**

Source: 1806241-01

Prepared: 06/22/18 Analyzed: 06/27/18

C10-C28 (DRO) 577 50 mg/kg 500 ND 115 70-130 13.4 20

Summit Scientific

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AECOM  
1601 Prospect Parkway  
Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
Project Manager: Jim Litz

Reported:  
06/29/18 08:09

**Soluble Nutrients by EPA 6020/USDA60 6(2, 3A) - Dry Weight Basis - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source		%REC		RPD		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit		

**Batch 1806295 - General Preparation**

**Blank (1806295-BLK1)**

Prepared: 06/20/18 Analyzed: 06/22/18

Calcium	ND	10.0	mg/kg wet							
Magnesium	ND	5.00	"							
Sodium	ND	5.00	"							

**LCS (1806295-BS1)**

Prepared: 06/20/18 Analyzed: 06/22/18

Calcium	571	10.0	mg/kg wet	500		114	70-130			
Magnesium	576	5.00	"	500		115	70-130			
Sodium	577	5.00	"	500		115	70-130			

**Duplicate (1806295-DUP1)**

Source: 1806225-02

Prepared: 06/20/18 Analyzed: 06/22/18

Calcium	1200	11.8	mg/kg dry		1270			5.63	20	
Magnesium	429	5.88	"		462			7.38	20	
Sodium	40.0	5.88	"		38.7			3.36	20	

**Matrix Spike (1806295-MS1)**

Source: 1806225-02

Prepared: 06/20/18 Analyzed: 06/22/18

Calcium	1800	11.8	mg/kg dry	588	1270	91.3	70-130			
Magnesium	1010	5.88	"	588	462	94.0	70-130			
Sodium	671	5.88	"	588	38.7	108	70-130			

**Matrix Spike Dup (1806295-MSD1)**

Source: 1806225-02

Prepared: 06/20/18 Analyzed: 06/22/18

Calcium	1720	11.8	mg/kg dry	588	1270	77.6	70-130	4.57	25	
Magnesium	945	5.88	"	588	462	82.2	70-130	7.04	25	
Sodium	664	5.88	"	588	38.7	106	70-130	0.947	25	

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AECOM  
 1601 Prospect Parkway  
 Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
 Project Manager: Jim Litz

**Reported:**  
 06/29/18 08:09

**Physical Parameters by APHA/ASTM/EPA Methods - Quality Control**  
**Summit Scientific**

Analyte	Reporting			Spike	Source	%REC			RPD	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

**Batch 1806293 - General Preparation**

Duplicate (1806293-DUP1)	Source: 1806228-11			Prepared & Analyzed: 06/20/18							
% Solids	88.5		%		87.2				1.45	20	

**Batch 1806337 - General Preparation**

LCS (1806337-BS1)	Prepared & Analyzed: 06/22/18											
pH	9.2		pH Units	9.18		99.9	95-105					
Duplicate (1806337-DUP1)	Source: 1806258-02			Prepared & Analyzed: 06/22/18								
pH	9.0		pH Units	9.0					0.111	20		

Summit Scientific

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AECOM  
 1601 Prospect Parkway  
 Ft. Collins CO, 80525

Project: Noble - Wells Ranch USX AA25-9,15,16

Project Number: [none]  
 Project Manager: Jim Litz

**Reported:**  
 06/29/18 08:09

**Specific Conductance by EPA Method 120.1 - Quality Control**  
**Summit Scientific**

Analyte	Result	Reporting		Spike Level	Source Result	%REC		RPD		Notes
		Limit	Units			%REC	Limits	RPD	Limit	

**Batch 1806338 - General Preparation**

**LCS (1806338-BS1)**

Prepared & Analyzed: 06/22/18

Specific Conductance (EC)	0.750	0.0100	mmhos/cm	0.750	100	90-110
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**Duplicate (1806338-DUP1)**

**Source: 1806258-02**

Prepared & Analyzed: 06/22/18

Specific Conductance (EC)	0.270	0.0100	mmhos/cm	0.276	2.18	20
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### Notes and Definitions

DET Analyte DETECTED  
ND Analyte NOT DETECTED at or above the reporting limit  
NR Not Reported  
dry Sample results reported on a dry weight basis  
RPD Relative Percent Difference