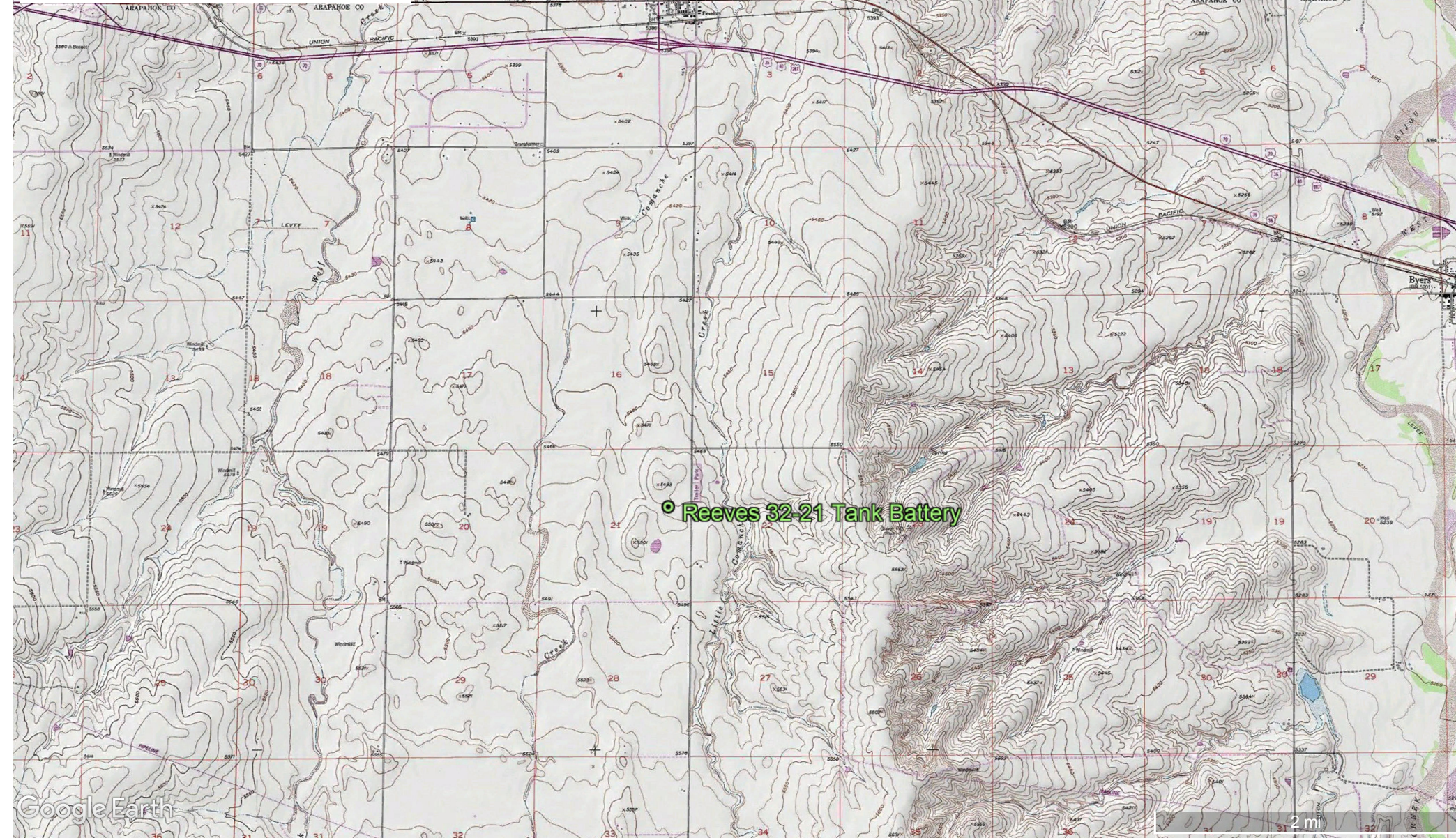
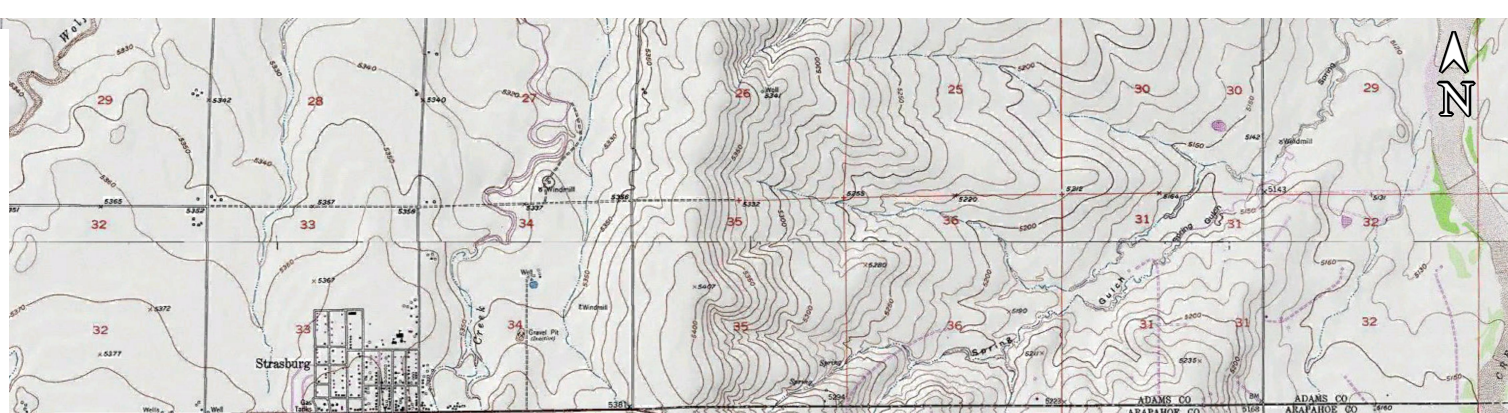




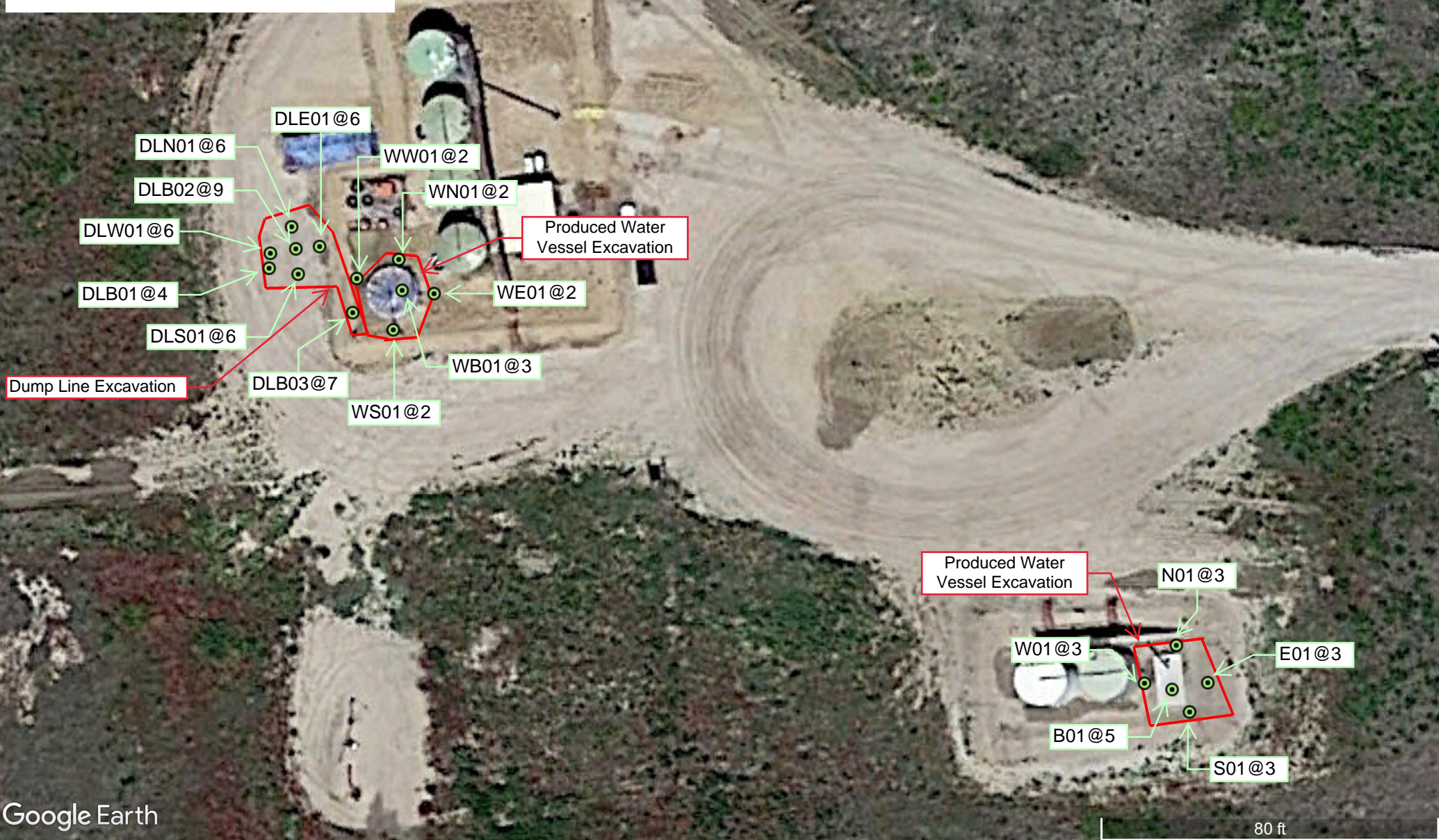
**Topographic Location  
Map  
"Reeves 32-21"**







**Excavation Site Diagram**  
**Reeves 32-21**  
**(Facility ID: 441605)**







## Apex Laboratory Results Summary Table 1 Reeves 32-21

			Organics (mg/kg [ppm])					Inorganics		
COGCC Allowable Concentration (Soil) -->			500	0.17	85	100	175	4	12	(6-9)
Location	Sample Date	Sample ID	TPH (total volatile and extractable petroleum hydrocarbons) (TPH-GRO + TPH-DRO) (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes - total (mg/kg)	EC (Specific Conductance) (<4 mmhos/cm or 2x background) (mmhos/cm)	SAR (Sodium Adsorption Ratio) (calculation)	pH (pH Units)
Reeves 32-21	11/14/2019	DLB01@4	11900	0.16	0.082	15	110	NA	NA	NA
Reeves 32-21	11/14/2019	W01@3	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	N01@3	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	B01@5	<50	<0.0020	<0.0050	<0.0050	<0.010	0.761	1.22	8.85
Reeves 32-21	11/14/2019	S01@3	180	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	WB01@3	<50	<0.0020	<0.0050	<0.0050	<0.010	2.95	3.14	7.87
Reeves 32-21	11/14/2019	WE01@2	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	E01@3	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	WN01@2	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	WW01@2	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/14/2019	WS01@2	<50	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA
Reeves 32-21	11/18/2019	DLB02@9	5800	0.22	<0.0050	10	85	NA	NA	NA
Reeves 32-21	11/18/2019	DLS01@6	5100	0.097	<0.0050	4.8	38	NA	NA	NA
Reeves 32-21	11/18/2019	DLN01@6	14000	3.1	0.016	18	150	NA	NA	NA
Reeves 32-21	11/18/2019	DLE01@6	11700	8.5	0.0052	16	120	NA	NA	NA
Reeves 32-21	11/18/2019	DLW01@6	15200	0.33	<0.0050	18	140	NA	NA	NA
Reeves 32-21	11/18/2019	DLB03@7	1100	<0.0020	<0.0050	<0.0050	<0.010	NA	NA	NA

Orange Highlight - Exceedance

Yellow Highlight - TPH Detection

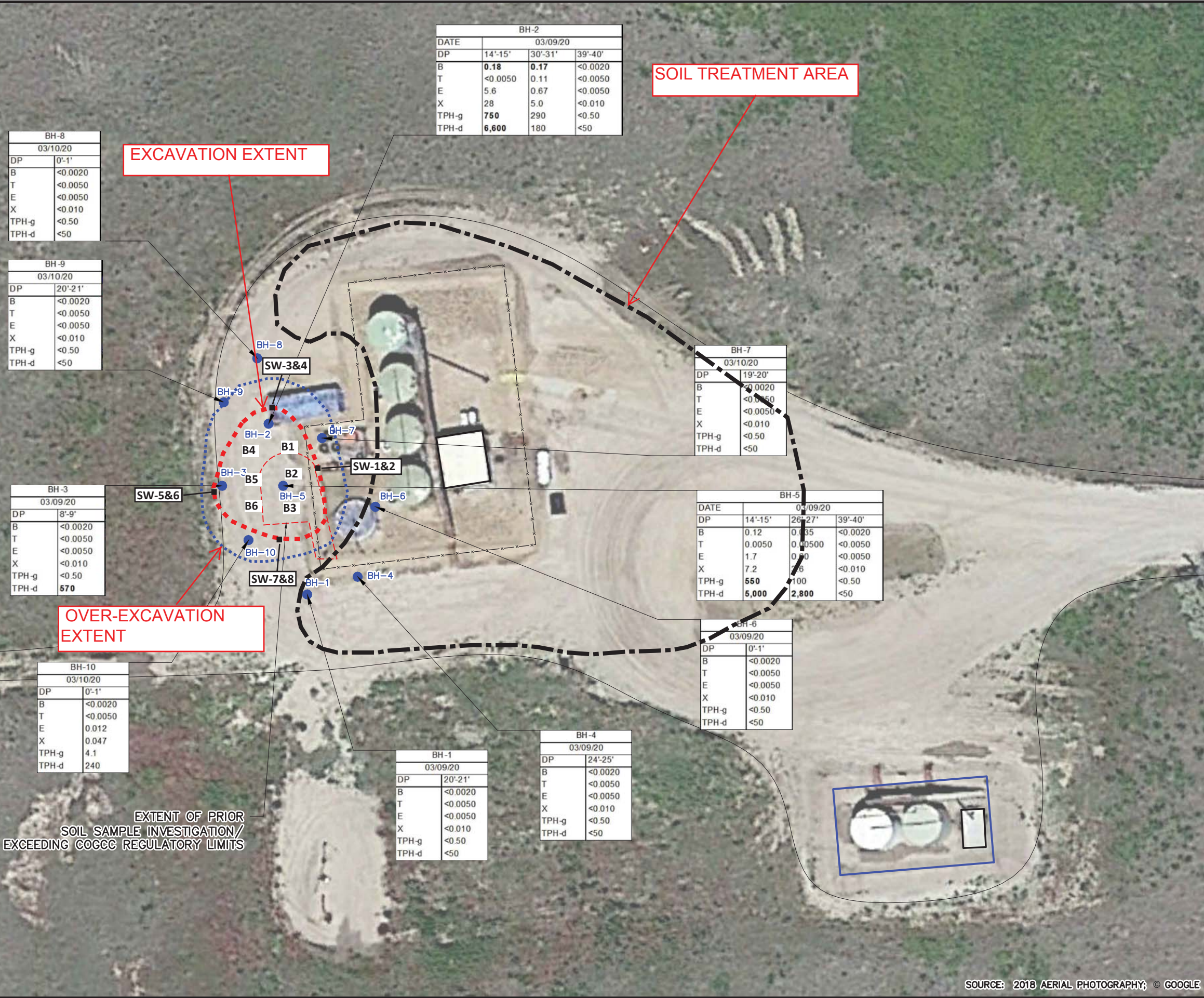
Grey Highlight - Below Detection Limit

NA - Not Analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter





N  
W  
E  
S

LEGEND

BH-1 ●

PROPOSED SOIL BORING/  
TEMPORARY 1-INCH WELL LOCATION

—

BERM

-x-x-x-x-

FENCE

B

BENZENE (mg/kg)

T

TOLUENE (mg/kg)

E

ETHYLBENZENE (mg/kg)

X

TOTAL XYLENES (mg/kg)

TPH-g

TOTAL PETROLEUM HYDROCARBONS  
AS GASOLINE (mg/kg)

TPH-d

TOTAL PETROLEUM HYDROCARBONS  
AS DIESEL (mg/kg)

mg/kg

MILLIGRAMS PER KILOGRAM

<

NOT DETECTED ABOVE LIMIT NOTED

DP

DEPTH (FEET)

**BOLD VALUES INDICATE EXCEEDANCE  
OF APPLICABLE STANDARDS**

Excavation and Soil  
Treatment Area Locations  
are Approximate

NOTES

1. LOCATIONS ARE APPROXIMATE

2. COORDINATE SYSTEM: WGS 1984  
PROJECTION: TRANSVERSE MERCATOR

0 15 30

SCALE IN FEET

FIGURE 4  
PROPOSED EXCAVATION MAP

REEVES 32-21  
39.689609, -104.324943  
LOVELAND, COLORADO

SOURCE: 2018 AERIAL PHOTOGRAPHY; © GOOGLE



**TABLE 2 - SOIL ANALYTICAL RESULTS  
EXTRACTION OIL & GAS**

**Reeves 32-21**

Sample ID	Date	Rational	Depth Range (feet)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	TPH-GRO (mg/Kg)	TPH-DRO (mg/Kg)	Total TPH (mg/Kg)
<b>COGCC Table 910-1 Limit</b>					<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>500</b>	<b>500</b>	<b>500</b>
BH-1	03/09/20	Boring	20-21	0.6	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-2	03/09/20	Boring	14-15	1779	<b>0.18</b>	<0.0050	5.6	28	<b>750</b>	<b>6,600</b>	<b>7,350</b>
BH-2	03/09/20	Boring	30-31	580	0.17	0.11	0.67	5.0	290	180	470
BH-2	03/09/20	Boring	39-40	0.0	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-3	03/09/20	Boring	8-9	8	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<b>570</b>	<b>570</b>
BH-4	03/09/20	Boring	24-25	0	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-5	03/09/20	Boring	14-15	2001	0.12	0.0050	1.7	7.2	<b>550</b>	<b>5,000</b>	<b>5,550</b>
BH-5	03/09/20	Boring	26-27	568	0.035	0.00500	0.60	3.6	100	<b>2,800</b>	<b>2,900</b>
BH-5	03/09/20	Boring	39-40	0	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-6	03/09/20	Boring	0-1	12	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-7	03/10/20	Boring	19-20	3.4	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-8	03/10/20	Boring	0-1	9.6	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-9	03/10/20	Boring	20-21	4.2	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
BH-10	03/10/20	Boring	0-1	94	<0.0020	<0.0050	0.012	0.047	4.1	240	244.1
SOIL L-1A	04/23/20	Laydown	N/A	1576	0.094	0.18	1.5	10	260	<b>3,900</b>	<b>4,160</b>
SOIL L-1B	04/23/20	Laydown	N/A	615	0.058	0.084	0.27	3.7	120	<b>2,000</b>	<b>2,120</b>
L-1C	04/27/20	Laydown	N/A	474	0.0031	<0.0050	0.015	0.15	21	<b>2,200</b>	<b>2,221</b>
L-1D	04/27/20	Laydown	N/A	352	0.0055	<0.0050	0.014	0.13	17	<b>1,900</b>	<b>1,917</b>
L2-A	04/28/20	Laydown	N/A	NM	<0.0020	<0.0050	0.0087	0.091	7.5	<b>720</b>	<b>728</b>
L2-B	04/30/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	5.5	<b>1,300</b>	<b>1,305.5</b>
L2-C	05/01/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	4.8	<b>650</b>	<b>654.8</b>
L2-D	05/04/20	Laydown	N/A	162	<0.0020	<0.0050	<0.0050	<0.010	5.0	<b>510</b>	<b>515</b>
L2-E	05/05/20	Laydown	N/A	109	<0.0020	<0.0050	<0.0050	<0.010	4.3	<b>540</b>	<b>544.3</b>
L3-A	05/05/20	Laydown	N/A	88	<0.0020	<0.0050	<0.0050	<0.010	6.5	<b>650</b>	<b>656.5</b>
L2-F	05/06/20	Laydown	N/A	8.3	<0.0020	<0.0050	<0.0050	<0.010	<0.50	96	96
L3-B	05/06/20	Laydown	N/A	3.5	<0.0020	<0.0050	<0.0050	<0.010	<0.50	170	170
L3-C	05/06/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
L3-E	05/06/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
L3-D	05/07/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
L3-F	05/07/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
L3-G	05/07/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
L3-H	05/07/20	Laydown	N/A	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-1	04/23/20	Side Wall	26	0.1	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-2	04/23/20	Side Wall	14	0.7	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-3	04/23/20	Side Wall	30	2.4	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-4	04/23/20	Side Wall	14	3.8	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50

**NOTES:**

mg/Kg - milligrams per kilogram

**BOLD** - indicates result exceeds the applicable standard

◀--indicates result is less than the stated lab reporting limit

NM - Not Measured/Sampled

COGCC Table 910-1 - Colorado Oil and Gas Conservation Commission Table 910-1

Benzene, toluene, ethylbenzene, total xylenes and TPH-GRO analyzed by EPA Method 8260B.

TPH-DRO was analyzed by EPA Method 8015.



**TABLE 2 - SOIL ANALYTICAL RESULTS  
EXTRACTION OIL & GAS**

**Reeves 32-21**

Sample ID	Date	Rational	Depth Range (feet)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Total Xylenes (mg/Kg)	TPH-GRO (mg/Kg)	TPH-DRO (mg/Kg)	Total TPH (mg/Kg)
<b>COGCC Table 910-1 Limit</b>					<b>0.17</b>	<b>85</b>	<b>100</b>	<b>175</b>	<b>500</b>	<b>500</b>	<b>500</b>
SW-5	04/27/20	Side Wall	8	4.8	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-6	04/27/20	Side Wall	15	13.1	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-7	04/28/20	Side Wall	14	5.8	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
SW-8	04/28/20	Side Wall	26	10.1	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
B1	04/28/20	Bottom	31-32	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
B2	04/28/20	Bottom	31-32	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
B3	04/28/20	Bottom	31-32	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
B4	04/28/20	Bottom	31-32	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
B5	04/28/20	Bottom	31-32	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50
B6	04/28/20	Bottom	31-32	NM	<0.0020	<0.0050	<0.0050	<0.010	<0.50	<50	<50

**NOTES:**

mg/Kg - milligrams per kilogram

**BOLD** - indicates result exceeds the applicable standard

< - indicates result is less than the stated laboratory reporting limit

NM - Not Measured/Sampled

COGCC Table 910-1 - Colorado Oil and Gas Conservation Commission Table 910-1

Benzene, toluene, ethylbenzene, total xylenes and TPH-GRO analyzed by EPA Method 8260B.

TPH-DRO was analyzed by EPA Method 8015.



**Attachment A**

**Laboratory Analytical Report**



# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

June 26, 2020

Maggie Graham

Extraction Oil&Gas

370 17th Street Suite 5300

Denver, CO 80202

RE: Reeves 32-21

Work Order #1911176

Enclosed are the results of analyses for samples received by Summit Scientific on 03/09/20 17:00-11/14/19 15:10.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury

President





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21  
Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
06/26/20 10:36

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B01@5	1911176-01	Soil	11/14/19 11:32	11/14/19 15:10
W01@3	1911176-02	Soil	11/14/19 11:35	11/14/19 15:10
N01@3	1911176-03	Soil	11/14/19 11:37	11/14/19 15:10
S01@3	1911176-04	Soil	11/14/19 11:40	11/14/19 15:10
E01@3	1911176-05	Soil	11/14/19 11:45	11/14/19 15:10
WB01@3	1911176-06	Soil	11/14/19 12:37	11/14/19 15:10
WN01@2	1911176-07	Soil	11/14/19 12:40	11/14/19 15:10
WE01@2	1911176-08	Soil	11/14/19 12:42	11/14/19 15:10
WW01@2	1911176-09	Soil	11/14/19 12:45	11/14/19 15:10
WS01@2	1911176-10	Soil	11/14/19 12:47	11/14/19 15:10
DLB01@4	1911177-01	Soil	11/14/19 13:10	11/14/19 15:10
BH-2 14'-15'	2003084-01	Soil	03/09/20 11:37	03/09/20 17:00
BH-2 30'-31'	2003084-02	Soil	03/09/20 11:39	03/09/20 17:00
BH-5 14'-15'	2003084-03	Soil	03/09/20 14:47	03/09/20 17:00
BH-5 26'-27'	2003084-04	Soil	03/09/20 14:45	03/09/20 17:00
BH-1 20'-21'	2003099-01	Soil	03/09/20 10:13	03/09/20 18:30
BH-2 39'-40'	2003099-02	Soil	03/09/20 11:41	03/09/20 18:30
BH-3 8'-9'	2003099-03	Soil	03/09/20 12:15	03/09/20 18:30
BH-4 24'-25'	2003099-04	Soil	03/09/20 12:53	03/09/20 18:30
BH-5 39'-40'	2003099-05	Soil	03/09/20 14:40	03/09/20 18:30
BH-6 0'-1'	2003099-06	Soil	03/09/20 16:15	03/09/20 18:30
BH-7 19'-20'	2003116-01	Soil	03/10/20 10:30	03/10/20 13:17
BH-8 0'-1'	2003116-02	Soil	03/10/20 11:05	03/10/20 13:17
BH-9 20'-21'	2003116-03	Soil	03/10/20 11:52	03/10/20 13:17
BH-10 0'-1'	2003116-04	Soil	03/10/20 12:20	03/10/20 13:17

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.*





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21  
Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

---

Summit Scientific

A handwritten signature in black ink, appearing to be 'MSM'.

*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.*



# Summit Scientific

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310 ♦ 303-374-5933 Fax

1911176  
PAGE 1 of 1

Page 1 of 2

Client: APEX Companies, LLC

Address: 176 Cole Blvd. Suite 250

City/State/Zip: Lakewood, Colorado 80101

Phone: 720-501-5065

Fax:

Sampler Name: AB

Project Manager: Maggie Graham 720-501-5065

E-Mail: DenverRemediation@ApexCos.onmicrosoft.com

Project Name: Reeves 32-21

Project Number: 1900057

11-14-19

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	EC	SAR	pH	Rough TAT	Standard TAT			
B01@5	11/14/19	1132	1			X			X			X	X	X	X	X			Call Maggie Graham with questions		
W01@3		1135	1									X	X				X				
N01@3		1137	1									X	X				X				
S01@3		1140	1									X	X				X				
E01@3		1145	1									X	X				X				
W01@3		1237	1									X	X	X	X	X					
W01@2		1240	1									X	X				X				
WE01@2		1242	1									X	X				X				
WW01@2		1245	1									X	X				X				
WS01@2		1247	1									X	X				X				
Relinquished by: <i>Clark</i>				Date/Time: 11/14/19 1510		Received by: <i>[Signature]</i>				Date/Time: 11-14-19 15:10		Turn Around Time (Check)						Notes			
Relinquished by:				Date/Time:		Received by:				Date/Time:		Same Day <input checked="" type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>						Circle applicable regulatory agency:			
Relinquished by:				Date/Time:		Received in Lab by:				Date/Time:		Sample Integrity: Temperature Upon Receipt: 3.2 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						COGCC/CDPHE Client Name: XDG			

191177

page 1 of 1

Page 1 of 2

**Project Manager: Maggie Graham 720-501-5065**

E-Mail: [DenverRemediation@ApexCos.onmicrosoft.com](mailto:DenverRemediation@ApexCos.onmicrosoft.com)

Project Name: Reeves 82-21

Project Number: 1900057

Sampler Name: AB

www.s2scientific.com

### Special Instructions

Call Maggie Graham  
with questions

## Notes

Circle applicable regulatory agency:

COGCC/ CDPHE

Client Name:

X00



# Summit Scientific

S<sub>2</sub>

2003084

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: EXTRACTION OIL & GAS

Project Manager: JEFF CARLO

Address: 650 SOUTHgate Drive

E-Mail: JCarlo@RemingtonTech.net bgibson@extranog.com

City/State/Zip: WINDSOR, CO 80550

Phone: 719-904-8145

Project Name: Reeves 32-21

Sampler Name: DAVID MOORE

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-600	TPH-DRO				
1	BH-2 14'-15'	3-9-2020	1137	1			X			✓			✓	✓	✓				
2	BH-2 30'-31'		1139	1						✓			✓	✓	✓				
3	BH-5 14'-15'		1447	1						✓			✓	✓	✓				
4	BH-5 26'-27'		1445	1						✓			✓	✓	✓				
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished by: <u>[Signature]</u>	Date/Time: <u>3-9-20</u> <u>17:00</u>	Received by: <u>[Signature]</u>	Date/Time: <u>03/09/2020</u> <u>1700</u>	<b>Turn Around Time</b> (Check) Same Day <u>✓</u> 72 hours <u>—</u> 24 hours <u>—</u> Standard <u>—</u> 48 hours <u>—</u>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	<b>Sample Integrity:</b> Temperature Upon Receipt: <u>3.8</u> Samples Intact: <u>Yes</u> No	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

# Summit Scientific

S<sub>2</sub>

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310 ♦ 303-374-5933 (f)

2003099

Page 1 of 1

Client: Extraction Oil & Gas

Project Manager: Jeff Carlo

Address: 650 Southgate Drive

E-Mail: Jcarlo@remingtontech.net / bgibson@extraction-oil.com

City/State/Zip: Windsor, CO 80550

Phone: 719-904-8145

Project Name: Reeves 32-21

Sampler Name: David Moore

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-600	TPH-D20							
1	BH-1 20'-21'	3-9-20	1013	1						✓				✓	✓	✓						
2	BH-2 39-40'		1141	1						✓				✓	✓	✓						
3	BH-3 8-9'		1215	1						✓				✓	✓	✓						
4	BH-4 24-25'		1253	1						✓				✓	✓	✓						
5	BH-5 39-40'		1440	1						✓				✓	✓	✓						
6	BH-6 0-1'		1015	1						✓				✓	✓	✓						
7																						
8																						
9																						
10																						

Relinquished by:	Date/Time:	Received by:	Date/Time:	Turn Around Time	(Check)	Notes:
<u>David Moore</u>	<u>3-9-201830</u>	<u>[Signature]</u>	<u>03/09/2020 1830</u>	Same Day	72 hours	
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 hours	Standard	
				48 hours	<u>1</u>	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:		
				Temperature Upon Receipt:	<u>3.8</u>	
				Samples Intact:	<u>Yes</u> No	



# Summit Scientific

S<sub>2</sub>

2003116

4653 Table Mountain Drive ♦ Golden, Colorado 80403

303-277-9310 ♦ 303-374-5933 (f)

Page 1 of 1

Client: Extraction Oil & Gas

Project Manager: Jeff Curio

Address: 1050 Southgate Drive, ~~Windsor, CO 80550~~

E-Mail: JeffCurio@summit-scientific.net / bgrub@extraction-oil.com

City/State/Zip: Windsor, CO, 80550

Phone: 719-944-8145

Project Name: REEVES 32-21

Sampler Name: Davis Moore

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-DRO	TPH-GAO		
1	BH-7 19-20'	3-10-20	1030	1			X			X							
2	BH-8 0-1'		1105	1			X			X							
3	BH-9 20-21'	1104	1152	1			X			X							
4	BH-10 0-1'	1220	1220	1			T			X							
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: <u>[Signature]</u>	Date/Time: <u>3-10-20 1317</u>	Received by: <u>[Signature]</u>	Date/Time: <u>03-10-2020 13:17</u>	Turn Around Time (Check)	Same Day <input type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 hours <input type="checkbox"/> Sample Integrity: Temperature Upon Receipt: <u>13.1</u> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes: <u>on ice</u>
Relinquished by:	Date/Time:	Received by:	Date/Time:			
Relinquished by:	Date/Time:	Received by:	Date/Time:			

# Sample Receipt Checklist

S2 Work Order 1911176

Client: Apex/XOG Client Project ID: Reeves 32-21

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: \_\_\_\_\_

☒ ☐ ☐ ☐ ☐

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

Temp (°C)	3.2
-----------	-----

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day TAT
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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

MP

Custodian Printed Name or Initials

*Muri Premer*

Signature of Custodian

11/14/19

Date/Time



# Sample Receipt Checklist

S2 Work Order 1911177

Client: Apex/XOG Client Project ID: Reeves 32-21

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other Airbill #: \_\_\_\_\_

☒ ☐ ☐ ☐ ☐

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

Temp (°C)	3.2
-----------	-----

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day TAT
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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

MP

Custodian Printed Name or Initials

*Muri Premier*

Signature of Custodian

11/14/19

Date/Time

# Sample Receipt Checklist

S2 Work Order 2003084

Client: EXTRACTION OIL & GAS Client Project ID: REEVES 32-21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

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

Temp (°C)	3.8
-----------	-----

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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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.

RZ

Custodian Printed Name or Initials

Signature of Custodian

3/9/20

Date/Time



# Sample Receipt Checklist

S2 Work Order 2003099

Client: EXTRACTION OIL & GAS

Client Project ID: REEVES 32-21

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_

☐ ☒ ☐ ☐ ☐

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

Temp (°C)	3.8
-----------	-----

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input 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> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

RZ

Custodian Printed Name or Initials

Signature of Custodian

3/9/20

Date/Time

# Sample Receipt Checklist

S2 Work Order 200316

Client: Remington/XOG Client Project ID: Reeves 32-21

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: \_\_\_\_\_

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

Temp (°C)	13.1
-----------	------

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	On Ice
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> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

MP  
Custodian Printed Name or Initials

Muri Premer  
Signature of Custodian

3/10/20  
Date/Time





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**B01@5**  
**191176-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1911165	11/14/19	11/14/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		123 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		116 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		111 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1911167	11/14/19	11/14/19	EPA 8015M	

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		85.0 %	30-150		"	"	"	"	

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

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Calcium	<b>3150</b>	10.8	mg/kg dry	1	1911163	11/14/19	11/14/19	EPA 6020B	
Magnesium	<b>890</b>	5.42	"	"	"	"	"	"	

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.



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**B01@5**  
**191176-01 (Soil)**

**Summit Scientific**

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

Sodium	302	5.42	mg/kg dry	1	1911163	11/14/19	11/14/19	EPA 6020B
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**Calculated Analysis**

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	1.22	0.100	units	1	1911169	11/15/19	11/15/19	Calculation	

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

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	92.3		%	1	1911153	11/14/19	11/15/19	Calculation	
pH	8.85		pH Units	"	1911154	11/14/19	11/14/19	EPA 9045D	

**Specific Conductance by EPA Method 120.1**

Date Sampled: **11/14/19 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	0.761	0.0100	mmhos/cm	1	1911155	11/14/19	11/14/19	EPA 120.1	

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.*





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**W01@3**  
**191176-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	191179	11/15/19	11/16/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		111 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	191177	11/15/19	11/16/19	EPA 8015M	

Date Sampled: **11/14/19 11:35**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		92.5 %	30-150		"	"	"	"	

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.



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**N01@3**  
**1911176-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911179	11/15/19	11/16/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		109 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911177	11/15/19	11/16/19	EPA 8015M	

Date Sampled: **11/14/19 11:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		97.1 %	30-150		"	"	"	"	

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.





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**S01@3**  
**191176-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911165	11/14/19	11/14/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		124 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>180</b>	50	mg/kg	1	1911167	11/14/19	11/14/19	EPA 8015M	

Date Sampled: **11/14/19 11:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		70.2 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**E01@3**  
**1911176-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911179	11/15/19	11/16/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		118 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		115 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911177	11/15/19	11/16/19	EPA 8015M	

Date Sampled: **11/14/19 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		95.8 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**WB01@3**  
**191176-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911165	11/14/19	11/14/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		111 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911167	11/14/19	11/14/19	EPA 8015M	

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		101 %	30-150		"	"	"	"	

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

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Calcium	<b>7890</b>	12.1	mg/kg dry	1	1911163	11/14/19	11/14/19	EPA 6020B	
Magnesium	<b>1590</b>	6.03	"	"	"	"	"	"	
Sodium	<b>1170</b>	6.03	"	"	"	"	"	"	

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**WB01@3**  
**1911176-06 (Soil)**

**Summit Scientific**

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

**Calculated Analysis**

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Sodium Adsorption Ratio	3.14	0.100	units	1	1911169	11/15/19	11/15/19	Calculation	

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

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
% Solids	82.9		%	1	1911153	11/14/19	11/15/19	Calculation	
pH	7.87		pH Units	"	1911154	11/14/19	11/14/19	EPA 9045D	

**Specific Conductance by EPA Method 120.1**

Date Sampled: **11/14/19 12:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Specific Conductance (EC)	2.95	0.0100	mmhos/cm	1	1911155	11/14/19	11/14/19	EPA 120.1	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**WN01@2**  
**1911176-07 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911179	11/15/19	11/16/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		121 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		110 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911177	11/15/19	11/16/19	EPA 8015M	

Date Sampled: **11/14/19 12:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.0 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**WE01@2**  
**191176-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911165	11/14/19	11/14/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		132 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911167	11/14/19	11/14/19	EPA 8015M	

Date Sampled: **11/14/19 12:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		98.6 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**WW01@2**  
**191176-09 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911179	11/15/19	11/16/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911177	11/15/19	11/16/19	EPA 8015M	

Date Sampled: **11/14/19 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		89.8 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**WS01@2**  
**1911176-10 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 12:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911179	11/15/19	11/16/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/14/19 12:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		135 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		119 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 12:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	1911177	11/15/19	11/16/19	EPA 8015M	

Date Sampled: **11/14/19 12:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		102 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**DLB01@4**  
**1911177-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/14/19 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.16</b>	0.0020	mg/kg	1	1911165	11/14/19	11/14/19	EPA 8260B	
<b>Toluene</b>	<b>0.082</b>	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>15</b>	0.50	"	100	"	"	"	"	
<b>Xylenes (total)</b>	<b>110</b>	1.0	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>2300</b>	50	"	"	"	"	"	"	

Date Sampled: **11/14/19 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		134 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		105 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		21500 %	21-167		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/14/19 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>9600</b>	50	mg/kg	1	1911167	11/14/19	11/14/19	EPA 8015M	

Date Sampled: **11/14/19 13:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		110 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-2 14'-15'**  
**2003084-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.18</b>	0.020	mg/kg	10	2003102	03/09/20	03/10/20	EPA 8260B	
Toluene	ND	0.0050	"	1	"	"	"	"	
<b>Ethylbenzene</b>	<b>5.6</b>	0.050	"	10	"	"	"	"	
<b>Xylenes (total)</b>	<b>28</b>	0.10	"	"	"	"	"	"	E
<b>Gasoline Range Hydrocarbons</b>	<b>750</b>	5.0	"	"	"	"	"	"	E

Date Sampled: **03/09/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		86.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		121 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>6600</b>	50	mg/kg	1	2003103	03/09/20	03/09/20	EPA 8015M	

Date Sampled: **03/09/20 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		108 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-2 30'-31'**  
**2003084-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 11:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>Benzene</b>	<b>0.17</b>	0.020	mg/kg	10	2003102	03/09/20	03/10/20	EPA 8260B	
<b>Toluene</b>	<b>0.11</b>	0.050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.67</b>	0.050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>5.0</b>	0.10	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>290</b>	5.0	"	"	"	"	"	"	

Date Sampled: **03/09/20 11:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: 1,2-Dichloroethane-d4</i>		103 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 11:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>180</b>	50	mg/kg	1	2003103	03/09/20	03/09/20	EPA 8015M	

Date Sampled: **03/09/20 11:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<i>Surrogate: o-Terphenyl</i>		113 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-5 14'-15'**  
**2003084-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>Benzene</b>	<b>0.12</b>	0.0020	mg/kg	1	2003102	03/09/20	03/10/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.7</b>	0.050	"	10	"	"	"	"	
<b>Xylenes (total)</b>	<b>7.2</b>	0.10	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>550</b>	5.0	"	"	"	"	"	"	

Date Sampled: **03/09/20 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		145 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 14:47**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>5000</b>	50	mg/kg	1	2003103	03/09/20	03/09/20	EPA 8015M	

Date Sampled: **03/09/20 14:47**

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

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-5 26'-27'**  
**2003084-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 14:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>Benzene</b>	<b>0.035</b>	0.0020	mg/kg	1	2003102	03/09/20	03/10/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.60</b>	0.050	"	10	"	"	"	"	
<b>Xylenes (total)</b>	<b>3.6</b>	0.10	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>100</b>	5.0	"	"	"	"	"	"	

Date Sampled: **03/09/20 14:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		122 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		133 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 14:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>2800</b>	50	mg/kg	1	2003103	03/09/20	03/09/20	EPA 8015M	

Date Sampled: **03/09/20 14:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		125 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-1 20'-21'**  
**2003099-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 10:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003123	03/10/20	03/11/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/20 10:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 10:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003124	03/10/20	03/11/20	EPA 8015M	

Date Sampled: **03/09/20 10:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		96.4 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-2 39'-40'**  
**2003099-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003123	03/10/20	03/11/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/20 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003124	03/10/20	03/11/20	EPA 8015M	

Date Sampled: **03/09/20 11:41**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		110 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-3 8'-9'**  
**2003099-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003123	03/10/20	03/11/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/20 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>570</b>	50	mg/kg	1	2003124	03/10/20	03/11/20	EPA 8015M	

Date Sampled: **03/09/20 12:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		111 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-4 24'-25'**  
**2003099-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 12:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003123	03/10/20	03/11/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/20 12:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 12:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003124	03/10/20	03/11/20	EPA 8015M	

Date Sampled: **03/09/20 12:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.8 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-5 39'-40'**  
**2003099-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003123	03/10/20	03/11/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/20 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		103 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003124	03/10/20	03/11/20	EPA 8015M	

Date Sampled: **03/09/20 14:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		83.7 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-6 0'-1'**  
**2003099-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/09/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003123	03/10/20	03/11/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/09/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003124	03/10/20	03/11/20	EPA 8015M	

Date Sampled: **03/09/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		92.7 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-7 19-20'**  
**2003116-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/10/20 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003135	03/11/20	03/12/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/10/20 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		135 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		71.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.4 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/10/20 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003134	03/11/20	03/13/20	EPA 8015M	

Date Sampled: **03/10/20 10:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		109 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-8 0-1'**  
**2003116-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/10/20 11:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003135	03/11/20	03/12/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/10/20 11:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		124 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		74.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		79.5 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/10/20 11:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003134	03/11/20	03/13/20	EPA 8015M	

Date Sampled: **03/10/20 11:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-9 20-21'**  
**2003116-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/10/20 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2003135	03/11/20	03/12/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **03/10/20 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		71.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.8 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/10/20 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2003134	03/11/20	03/13/20	EPA 8015M	

Date Sampled: **03/10/20 11:52**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		114 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

**BH-10 0-1'**  
**2003116-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **03/10/20 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	2003135	03/11/20	03/12/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	<b>0.012</b>	0.0050	"	"	"	"	"	"	
Xylenes (total)	<b>0.047</b>	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	<b>4.1</b>	0.50	"	"	"	"	"	"	

Date Sampled: **03/10/20 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		119 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		70.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **03/10/20 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	<b>240</b>	50	mg/kg	1	2003134	03/11/20	03/13/20	EPA 8015M	

Date Sampled: **03/10/20 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		107 %	30-150		"	"	"	"	

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.



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 1911165 - EPA 5030 Soil MS

##### Blank (1911165-BLK1)

Prepared & Analyzed: 11/14/19

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0422		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0421		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0422		"	0.0400		106	21-167			

##### LCS (1911165-BS1)

Prepared & Analyzed: 11/14/19

Benzene	0.0777	0.0020	mg/kg	0.100		77.7	70-130			
Toluene	0.0848	0.0050	"	0.100		84.8	70-130			
Ethylbenzene	0.0880	0.0050	"	0.100		88.0	70-130			
m,p-Xylene	0.175	0.010	"	0.200		87.4	70-130			
o-Xylene	0.0874	0.0050	"	0.100		87.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0433		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0422		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0430		"	0.0400		107	21-167			

##### Matrix Spike (1911165-MS1)

Source: 1911158-01

Prepared & Analyzed: 11/14/19

Benzene	0.0788	0.0020	mg/kg	0.100	ND	78.8	70-130			
Toluene	0.0848	0.0050	"	0.100	ND	84.8	70-130			
Ethylbenzene	0.0875	0.0050	"	0.100	ND	87.5	70-130			
m,p-Xylene	0.173	0.010	"	0.200	ND	86.4	70-130			
o-Xylene	0.0878	0.0050	"	0.100	ND	87.8	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0462		"	0.0400		116	23-173			
Surrogate: Toluene-d8	0.0420		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0425		"	0.0400		106	21-167			

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 1911165 - EPA 5030 Soil MS**

Matrix Spike Dup (1911165-MSD1)			Source: 1911158-01		Prepared & Analyzed: 11/14/19					
Benzene	0.0786	0.0020	mg/kg	0.100	ND	78.6	70-130	0.152	30	
Toluene	0.0849	0.0050	"	0.100	ND	84.9	70-130	0.141	30	
Ethylbenzene	0.0898	0.0050	"	0.100	ND	89.8	70-130	2.57	30	
m,p-Xylene	0.178	0.010	"	0.200	ND	88.8	70-130	2.72	30	
o-Xylene	0.0893	0.0050	"	0.100	ND	89.3	70-130	1.69	30	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0462		"	0.0400		115	23-173			
Surrogate: Toluene-d8	0.0413		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0446		"	0.0400		112	21-167			

**Batch 1911179 - EPA 5030 Soil MS**

Blank (1911179-BLK1)			Prepared: 11/15/19 Analyzed: 11/16/19							
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0524		"	0.0400		131	23-173			
Surrogate: Toluene-d8	0.0458		"	0.0400		114	20-170			
Surrogate: 4-Bromofluorobenzene	0.0447		"	0.0400		112	21-167			

LCS (1911179-BS1)			Prepared: 11/15/19 Analyzed: 11/16/19							
Benzene	0.0728	0.0020	mg/kg	0.100		72.8	70-130			
Toluene	0.0868	0.0050	"	0.100		86.8	70-130			
Ethylbenzene	0.0879	0.0050	"	0.100		87.9	70-130			
m,p-Xylene	0.181	0.010	"	0.200		90.3	70-130			
o-Xylene	0.0836	0.0050	"	0.100		83.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0426		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0439		"	0.0400		110	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 1911179 - EPA 5030 Soil MS**

Matrix Spike (1911179-MS1)		Source: 1911176-02			Prepared: 11/15/19 Analyzed: 11/16/19					
Benzene	0.0747	0.0020	mg/kg	0.100	ND	74.7	70-130			
Toluene	0.0887	0.0050	"	0.100	ND	88.7	70-130			
Ethylbenzene	0.0956	0.0050	"	0.100	ND	95.6	70-130			
m,p-Xylene	0.188	0.010	"	0.200	ND	94.0	70-130			
o-Xylene	0.0908	0.0050	"	0.100	ND	90.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0417		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0428		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

Matrix Spike Dup (1911179-MSD1)		Source: 1911176-02			Prepared: 11/15/19 Analyzed: 11/16/19					
Benzene	0.0747	0.0020	mg/kg	0.100	ND	74.7	70-130	0.00	30	
Toluene	0.0927	0.0050	"	0.100	ND	92.7	70-130	4.40	30	
Ethylbenzene	0.0942	0.0050	"	0.100	ND	94.2	70-130	1.52	30	
m,p-Xylene	0.187	0.010	"	0.200	ND	93.4	70-130	0.688	30	
o-Xylene	0.0905	0.0050	"	0.100	ND	90.5	70-130	0.265	30	
Surrogate: 1,2-Dichloroethane-d4	0.0444		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0433		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

**Batch 2003102 - EPA 5030 Soil MS**

Blank (2003102-BLK1)		Prepared: 03/09/20 Analyzed: 03/10/20								
Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0400		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0418		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0428		"	0.0400		107	21-167			

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 2003102 - EPA 5030 Soil MS**

**LCS (2003102-BS1)**

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.0946	0.0020	mg/kg	0.100		94.6	70-130			
Toluene	0.0969	0.0050	"	0.100		96.9	70-130			
Ethylbenzene	0.0811	0.0050	"	0.100		81.1	70-130			
m,p-Xylene	0.161	0.010	"	0.200		80.6	70-130			
o-Xylene	0.0736	0.0050	"	0.100		73.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0400		95.0	23-173			
Surrogate: Toluene-d8	0.0423		"	0.0400		106	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

**Matrix Spike (2003102-MS1)**

Source: 2003084-01

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.211	0.0020	mg/kg	0.100	0.180	31.3	70-130			QM-07
Toluene	0.0918	0.0050	"	0.100	ND	91.8	70-130			
Ethylbenzene	1.33	0.0050	"	0.100	5.62	NR	70-130			E, QM-07
m,p-Xylene	6.47	0.010	"	0.200	27.8	NR	70-130			E, QM-07
o-Xylene	0.0948	0.0050	"	0.100	0.0600	34.8	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0503		"	0.0400		126	23-173			
Surrogate: Toluene-d8	0.0381		"	0.0400		95.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.159		"	0.0400		397	21-167			S-02

**Matrix Spike Dup (2003102-MSD1)**

Source: 2003084-01

Prepared: 03/09/20 Analyzed: 03/10/20

Benzene	0.215	0.0020	mg/kg	0.100	0.180	35.2	70-130	1.86	30	QM-07
Toluene	0.0954	0.0050	"	0.100	ND	95.4	70-130	3.81	30	
Ethylbenzene	1.37	0.0050	"	0.100	5.62	NR	70-130	3.12	30	E, QM-07
m,p-Xylene	6.21	0.010	"	0.200	27.8	NR	70-130	4.12	30	E, QM-07
o-Xylene	0.0898	0.0050	"	0.100	0.0600	29.8	70-130	5.39	30	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0541		"	0.0400		135	23-173			
Surrogate: Toluene-d8	0.0393		"	0.0400		98.2	20-170			
Surrogate: 4-Bromofluorobenzene	0.163		"	0.0400		407	21-167			S-02

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Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

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06/26/20 10:36

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

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

**Batch 2003123 - EPA 5030 Soil MS**

**Blank (2003123-BLK1)**

Prepared: 03/10/20 Analyzed: 03/11/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0399		"	0.0400		99.8	23-173			
Surrogate: Toluene-d8	0.0428		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0421		"	0.0400		105	21-167			

**LCS (2003123-BS1)**

Prepared: 03/10/20 Analyzed: 03/11/20

Benzene	0.0910	0.0020	mg/kg	0.100		91.0	70-130			
Toluene	0.0985	0.0050	"	0.100		98.5	70-130			
Ethylbenzene	0.0818	0.0050	"	0.100		81.8	70-130			
m,p-Xylene	0.162	0.010	"	0.200		80.8	70-130			
o-Xylene	0.0747	0.0050	"	0.100		74.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0382		"	0.0400		95.4	23-173			
Surrogate: Toluene-d8	0.0422		"	0.0400		105	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167			

**Matrix Spike (2003123-MS1)**

Source: 2003098-01

Prepared: 03/10/20 Analyzed: 03/11/20

Benzene	0.0889	0.0020	mg/kg	0.100	ND	88.9	70-130			
Toluene	0.0972	0.0050	"	0.100	ND	97.2	70-130			
Ethylbenzene	0.0807	0.0050	"	0.100	ND	80.7	70-130			
m,p-Xylene	0.158	0.010	"	0.200	ND	79.2	70-130			
o-Xylene	0.0744	0.0050	"	0.100	ND	74.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0420		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0427		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0423		"	0.0400		106	21-167			

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2003123 - EPA 5030 Soil MS

##### Matrix Spike Dup (2003123-MSD1)

Source: 2003098-01

Prepared: 03/10/20 Analyzed: 03/11/20

Benzene	0.0858	0.0020	mg/kg	0.100	ND	85.8	70-130	3.54	30	
Toluene	0.0956	0.0050	"	0.100	ND	95.6	70-130	1.65	30	
Ethylbenzene	0.0811	0.0050	"	0.100	ND	81.1	70-130	0.482	30	
m,p-Xylene	0.159	0.010	"	0.200	ND	79.5	70-130	0.302	30	
o-Xylene	0.0738	0.0050	"	0.100	ND	73.8	70-130	0.769	30	
Surrogate: 1,2-Dichloroethane-d4	0.0380		"	0.0400		95.0	23-173			
Surrogate: Toluene-d8	0.0413		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0414		"	0.0400		103	21-167			

#### Batch 2003135 - EPA 5030 Soil MS

##### Blank (2003135-BLK1)

Prepared: 03/11/20 Analyzed: 03/12/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0506		"	0.0400		127	23-173			
Surrogate: Toluene-d8	0.0299		"	0.0400		74.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0328		"	0.0400		82.0	21-167			

##### LCS (2003135-BS1)

Prepared: 03/11/20 Analyzed: 03/12/20

Benzene	0.146	0.0020	mg/kg	0.150		97.2	70-130			
Toluene	0.148	0.0050	"	0.150		98.8	70-130			
Ethylbenzene	0.140	0.0050	"	0.150		93.2	70-130			
m,p-Xylene	0.289	0.010	"	0.300		96.4	70-130			
o-Xylene	0.130	0.0050	"	0.150		86.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0392		"	0.0400		98.0	23-173			
Surrogate: Toluene-d8	0.0280		"	0.0400		69.9	20-170			
Surrogate: 4-Bromofluorobenzene	0.0309		"	0.0400		77.2	21-167			

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 2003135 - EPA 5030 Soil MS**

**Matrix Spike (2003135-MS1)**

Source: 2003097-01

Prepared: 03/11/20 Analyzed: 03/12/20

Benzene	0.153	0.0020	mg/kg	0.150	ND	102	70-130		
Toluene	0.146	0.0050	"	0.150	ND	97.7	70-130		
Ethylbenzene	0.141	0.0050	"	0.150	ND	94.3	70-130		
m,p-Xylene	0.292	0.010	"	0.300	ND	97.5	70-130		
o-Xylene	0.133	0.0050	"	0.150	ND	88.9	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.0447		"	0.0400		112	23-173		
Surrogate: Toluene-d8	0.0280		"	0.0400		69.9	20-170		
Surrogate: 4-Bromofluorobenzene	0.0312		"	0.0400		78.0	21-167		

**Matrix Spike Dup (2003135-MSD1)**

Source: 2003097-01

Prepared: 03/11/20 Analyzed: 03/12/20

Benzene	0.153	0.0020	mg/kg	0.150	ND	102	70-130	0.157	30
Toluene	0.147	0.0050	"	0.150	ND	97.8	70-130	0.123	30
Ethylbenzene	0.173	0.0050	"	0.150	ND	115	70-130	20.2	30
m,p-Xylene	0.293	0.010	"	0.300	ND	97.5	70-130	0.0513	30
o-Xylene	0.135	0.0050	"	0.150	ND	90.2	70-130	1.43	30
Surrogate: 1,2-Dichloroethane-d4	0.0430		"	0.0400		107	23-173		
Surrogate: Toluene-d8	0.0277		"	0.0400		69.2	20-170		
Surrogate: 4-Bromofluorobenzene	0.0304		"	0.0400		76.0	21-167		

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370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 1911167 - EPA 3550A**

<b>Blank (1911167-BLK1)</b>				Prepared: 11/14/19 Analyzed: 11/15/19						
C10-C28 (DRO)	ND	50	mg/kg							
<b>LCS (1911167-BS1)</b>				Prepared: 11/14/19 Analyzed: 11/15/19						
C10-C28 (DRO)	553	50	mg/kg	500		111	70-130			
<b>Matrix Spike (1911167-MS1)</b>				<b>Source: 1911158-01</b>		Prepared: 11/14/19 Analyzed: 11/15/19				
C10-C28 (DRO)	802	50	mg/kg	500	429	74.6	70-130			
<b>Matrix Spike Dup (1911167-MSD1)</b>				<b>Source: 1911158-01</b>		Prepared: 11/14/19 Analyzed: 11/15/19				
C10-C28 (DRO)	823	50	mg/kg	500	429	78.9	70-130	2.61	20	

**Batch 1911177 - EPA 3550A**

<b>Blank (1911177-BLK1)</b>				Prepared: 11/15/19 Analyzed: 11/16/19						
C10-C28 (DRO)	ND	50	mg/kg							
<b>LCS (1911177-BS1)</b>				Prepared: 11/15/19 Analyzed: 11/16/19						
C10-C28 (DRO)	443	50	mg/kg	500		88.6	70-130			
<b>Matrix Spike (1911177-MS1)</b>				<b>Source: 1911176-02</b>		Prepared: 11/15/19 Analyzed: 11/16/19				
C10-C28 (DRO)	443	50	mg/kg	500	13.4	86.0	70-130			
<b>Matrix Spike Dup (1911177-MSD1)</b>				<b>Source: 1911176-02</b>		Prepared: 11/15/19 Analyzed: 11/16/19				
C10-C28 (DRO)	442	50	mg/kg	500	13.4	85.7	70-130	0.338	20	

**Batch 2003103 - EPA 3550A**

<b>Blank (2003103-BLK1)</b>				Prepared: 03/09/20 Analyzed: 03/10/20						
C10-C28 (DRO)	ND	50	mg/kg							

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 2003103 - EPA 3550A**

**LCS (2003103-BS1)** Prepared: 03/09/20 Analyzed: 03/10/20

C10-C28 (DRO)	538	50	mg/kg	500	108	70-130
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**Matrix Spike (2003103-MS1)** Source: 2003084-01 Prepared: 03/09/20 Analyzed: 03/10/20

C10-C28 (DRO)	7220	50	mg/kg	500	6650	115	70-130
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**Matrix Spike Dup (2003103-MSD1)** Source: 2003084-01 Prepared: 03/09/20 Analyzed: 03/10/20

C10-C28 (DRO)	7140	50	mg/kg	500	6650	98.4	70-130	1.15	20
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**Batch 2003124 - EPA 3550A**

**Blank (2003124-BLK1)** Prepared: 03/10/20 Analyzed: 03/11/20

C10-C28 (DRO)	ND	50	mg/kg
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**LCS (2003124-BS1)** Prepared: 03/10/20 Analyzed: 03/11/20

C10-C28 (DRO)	615	50	mg/kg	500	123	70-130
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**Matrix Spike (2003124-MS1)** Source: 2003098-01 Prepared: 03/10/20 Analyzed: 03/11/20

C10-C28 (DRO)	551	50	mg/kg	500	13.1	108	70-130
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**Matrix Spike Dup (2003124-MSD1)** Source: 2003098-01 Prepared: 03/10/20 Analyzed: 03/11/20

C10-C28 (DRO)	550	50	mg/kg	500	13.1	107	70-130	0.236	20
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**Batch 2003134 - EPA 3550A**

**Blank (2003134-BLK1)** Prepared: 03/11/20 Analyzed: 03/12/20

C10-C28 (DRO)	ND	50	mg/kg
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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 2003134 - EPA 3550A**

**LCS (2003134-BS1)**

Prepared: 03/11/20 Analyzed: 03/12/20

C10-C28 (DRO)	456	50	mg/kg	500	91.3	70-130
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**Matrix Spike (2003134-MS1)**

**Source: 2003097-01**

Prepared: 03/11/20 Analyzed: 03/12/20

C10-C28 (DRO)	418	50	mg/kg	500	17.2	80.2	70-130
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**Matrix Spike Dup (2003134-MSD1)**

**Source: 2003097-01**

Prepared: 03/11/20 Analyzed: 03/12/20

C10-C28 (DRO)	410	50	mg/kg	500	17.2	78.6	70-130	1.92	20
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Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

### Summit Scientific

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

#### Batch 1911163 - General Preparation

##### Blank (1911163-BLK1)

Prepared & Analyzed: 11/14/19

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

##### LCS (1911163-BS1)

Prepared & Analyzed: 11/14/19

Calcium	541	10.0	mg/kg wet	500	108	70-130
Magnesium	592	5.00	"	500	118	70-130
Sodium	579	5.00	"	500	116	70-130

##### Duplicate (1911163-DUP1)

Source: 1911161-01

Prepared & Analyzed: 11/14/19

Calcium	3150	11.2	mg/kg dry	2920	7.32	20
Magnesium	394	5.58	"	404	2.59	20
Sodium	347	5.58	"	340	1.90	20

##### Matrix Spike (1911163-MS1)

Source: 1911161-01

Prepared & Analyzed: 11/14/19

Calcium	3020	11.2	mg/kg dry	558	2920	17.7	70-130	QM-07
Magnesium	974	5.58	"	558	404	102	70-130	
Sodium	948	5.58	"	558	340	109	70-130	

##### Matrix Spike Dup (1911163-MSD1)

Source: 1911161-01

Prepared & Analyzed: 11/14/19

Calcium	3500	11.2	mg/kg dry	558	2920	102	70-130	14.5	25
Magnesium	1050	5.58	"	558	404	116	70-130	7.34	25
Sodium	1010	5.58	"	558	340	120	70-130	6.26	25

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 1911153 - General Preparation**

<b>Duplicate (1911153-DUP1)</b>		<b>Source: 1911150-01</b>			Prepared & Analyzed: 11/14/19						
% Solids	91.0		%		90.9			0.109		20	

**Batch 1911154 - General Preparation**

<b>LCS (1911154-BS1)</b>		Prepared & Analyzed: 11/14/19									
pH	9.20		pH Units		9.18		100	95-105			
<b>Duplicate (1911154-DUP1)</b>		<b>Source: 1911161-01</b>			Prepared & Analyzed: 11/14/19						
pH	8.14		pH Units		8.12			0.246		20	

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

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

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

**Batch 1911155 - General Preparation**

**Blank (1911155-BLK1)**

Prepared & Analyzed: 11/14/19

Specific Conductance (EC) ND 0.0100 mmhos/cm

**LCS (1911155-BS1)**

Prepared & Analyzed: 11/14/19

Specific Conductance (EC) 0.710 0.0100 mmhos/cm 0.750 94.6 90-110

**Duplicate (1911155-DUP1)**

**Source: 1911161-01**

Prepared & Analyzed: 11/14/19

Specific Conductance (EC) 2.79 0.0100 mmhos/cm 2.90 3.62 20

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Jeff Carlo

**Reported:**  
06/26/20 10:36

### Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
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

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

November 20, 2019

Maggie Graham

Extraction Oil&Gas

370 17th Street Suite 5300

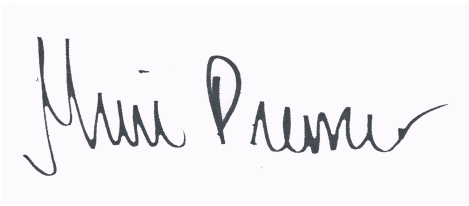
Denver, CO 80202

RE: Reeves 32-21 DL

Work Order # 1911241

Enclosed are the results of analyses for samples received by Summit Scientific on 11/18/19 17:14. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, reading "Muri Premier", is displayed on a light purple rectangular background.

Muri Premier For Paul Shrewsbury

President



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
DLB02@9	1911241-01	Soil	11/18/19 14:55	11/18/19 17:14
DLS01@6	1911241-02	Soil	11/18/19 14:58	11/18/19 17:14
DLN01@6	1911241-03	Soil	11/18/19 14:59	11/18/19 17:14
DLE01@6	1911241-04	Soil	11/18/19 15:02	11/18/19 17:14
DLW01@6	1911241-05	Soil	11/18/19 15:01	11/18/19 17:14
DLB03@7	1911241-06	Soil	11/18/19 15:10	11/18/19 17:14

Summit Scientific

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1911241

303-277-9310 ♦ 303-374-5933 Fax

1 of 1

Sampler Name: Sage Maker

Project Number: 1900057

[www.s2scientific.com](http://www.s2scientific.com)

# Sample Receipt Checklist

S2 Work Order 1911241

Client: Apex/XOF Client Project ID: Reeves 32-21 OL

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: \_\_\_\_\_

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

Temp (°C)	10-5°
-----------	-------

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

AT  
Custodian Printed Name or Initials

[Signature]  
Signature of Custodian

11-18-19, 7:14  
Date/Time





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

**DLB02@9**  
**1911241-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/18/19 14:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Benzene</b>	<b>0.22</b>	0.0020	mg/kg	1	1911208	11/18/19	11/18/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>10</b>	0.50	"	100	"	"	"	"	
<b>Xylenes (total)</b>	<b>85</b>	1.0	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>2700</b>	50	"	"	"	"	"	"	

Date Sampled: **11/18/19 14:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		167 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		192 %	21-167		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/18/19 14:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>C10-C28 (DRO)</b>	<b>3100</b>	50	mg/kg	1	1911209	11/18/19	11/18/19	EPA 8015M	

Date Sampled: **11/18/19 14:55**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: o-Terphenyl		126 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

**DLS01@6**  
**1911241-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/18/19 14:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>Benzene</b>	<b>0.097</b>	0.0020	mg/kg	1	1911208	11/18/19	11/18/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>4.8</b>	0.50	"	100	"	"	"	"	
<b>Xylenes (total)</b>	<b>38</b>	1.0	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>2100</b>	50	"	"	"	"	"	"	

Date Sampled: **11/18/19 14:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		127 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		90.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		158 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/18/19 14:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>3000</b>	50	mg/kg	1	1911209	11/18/19	11/18/19	EPA 8015M	

Date Sampled: **11/18/19 14:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		120 %	30-150		"	"	"	"	

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

**DLN01@6**  
**1911241-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/18/19 14:59**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Benzene</b>	<b>3.1</b>	0.20	mg/kg	100	1911208	11/18/19	11/18/19	EPA 8260B	
<b>Toluene</b>	<b>0.016</b>	0.0050	"	1	"	"	"	"	
<b>Ethylbenzene</b>	<b>18</b>	0.50	"	100	"	"	"	"	
<b>Xylenes (total)</b>	<b>150</b>	1.0	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>5400</b>	50	"	"	"	"	"	"	

Date Sampled: **11/18/19 14:59**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: 1,2-Dichloroethane-d4</i>		101 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		71.3 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		216 %	21-167		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/18/19 14:59**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>C10-C28 (DRO)</b>	<b>8600</b>	50	mg/kg	1	1911209	11/18/19	11/18/19	EPA 8015M	

Date Sampled: **11/18/19 14:59**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: o-Terphenyl</i>		179 %	30-150		"	"	"	"	S-02

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

**DLE01@6**  
**1911241-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/18/19 15:02**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Benzene</b>	<b>8.5</b>	0.20	mg/kg	100	1911208	11/18/19	11/18/19	EPA 8260B	
<b>Toluene</b>	<b>0.0052</b>	0.0050	"	1	"	"	"	"	
<b>Ethylbenzene</b>	<b>16</b>	0.50	"	100	"	"	"	"	
<b>Xylenes (total)</b>	<b>120</b>	1.0	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>4600</b>	50	"	"	"	"	"	"	

Date Sampled: **11/18/19 15:02**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		88.5 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		191 %	21-167		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/18/19 15:02**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>C10-C28 (DRO)</b>	<b>7100</b>	50	mg/kg	1	1911209	11/18/19	11/18/19	EPA 8015M	

Date Sampled: **11/18/19 15:02**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: o-Terphenyl</i>		164 %	30-150		"	"	"	"	S-02

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

**DLW01@6**  
**1911241-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/18/19 15:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>Benzene</b>	<b>0.33</b>	0.0020	mg/kg	1	1911208	11/18/19	11/18/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>18</b>	0.50	"	100	"	"	"	"	
<b>Xylenes (total)</b>	<b>140</b>	1.0	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>6000</b>	50	"	"	"	"	"	"	

Date Sampled: **11/18/19 15:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		70.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		250 %	21-167		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/18/19 15:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>9200</b>	50	mg/kg	1	1911209	11/18/19	11/18/19	EPA 8015M	

Date Sampled: **11/18/19 15:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		159 %	30-150		"	"	"	"	S-02

Summit Scientific

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Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

**DLB03@7**  
**1911241-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **11/18/19 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	1911208	11/18/19	11/18/19	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **11/18/19 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		113 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		116 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **11/18/19 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>1100</b>	50	mg/kg	1	1911209	11/18/19	11/18/19	EPA 8015M	D-09

Date Sampled: **11/18/19 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		106 %	30-150		"	"	"	"	

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.





Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 1911208 - EPA 5030 Soil MS

##### Blank (1911208-BLK1)

Prepared & Analyzed: 11/18/19

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0449		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0448		"	0.0400		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0435		"	0.0400		109	21-167			

##### LCS (1911208-BS1)

Prepared: 11/18/19 Analyzed: 11/19/19

Benzene	0.0770	0.0020	mg/kg	0.100		77.0	70-130			
Toluene	0.0856	0.0050	"	0.100		85.6	70-130			
Ethylbenzene	0.0868	0.0050	"	0.100		86.8	70-130			
m,p-Xylene	0.207	0.010	"	0.200		103	70-130			
o-Xylene	0.0819	0.0050	"	0.100		81.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0398		"	0.0400		99.5	23-173			
Surrogate: Toluene-d8	0.0434		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0425		"	0.0400		106	21-167			

##### Matrix Spike (1911208-MS1)

Source: 1911239-01

Prepared: 11/18/19 Analyzed: 11/19/19

Benzene	0.0703	0.0020	mg/kg	0.100	ND	70.3	70-130			
Toluene	0.0912	0.0050	"	0.100	ND	91.2	70-130			
Ethylbenzene	0.0897	0.0050	"	0.100	ND	89.7	70-130			
m,p-Xylene	0.183	0.010	"	0.200	ND	91.5	70-130			
o-Xylene	0.0873	0.0050	"	0.100	ND	87.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0449		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0448		"	0.0400		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0419		"	0.0400		105	21-167			

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.



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

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

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

**Batch 1911208 - EPA 5030 Soil MS**

Matrix Spike Dup (1911208-MSD1)		Source: 1911239-01			Prepared: 11/18/19 Analyzed: 11/19/19					
Benzene	0.0704	0.0020	mg/kg	0.100	ND	70.4	70-130	0.0853	30	
Toluene	0.0932	0.0050	"	0.100	ND	93.2	70-130	2.18	30	
Ethylbenzene	0.0951	0.0050	"	0.100	ND	95.1	70-130	5.91	30	
m,p-Xylene	0.188	0.010	"	0.200	ND	93.9	70-130	2.52	30	
o-Xylene	0.0907	0.0050	"	0.100	ND	90.7	70-130	3.81	30	
Surrogate: 1,2-Dichloroethane-d4	0.0409		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0436		"	0.0400		109	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

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.*



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

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

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

**Batch 1911209 - EPA 3550A**

**Blank (1911209-BLK1)**

Prepared: 11/18/19 Analyzed: 11/19/19

C10-C28 (DRO) ND 50 mg/kg

**LCS (1911209-BS1)**

Prepared: 11/18/19 Analyzed: 11/19/19

C10-C28 (DRO) 496 50 mg/kg 500 99.2 70-130

**Matrix Spike (1911209-MS1)**

**Source: 1911242-01**

Prepared: 11/18/19 Analyzed: 11/19/19

C10-C28 (DRO) 415 50 mg/kg 500 ND 82.9 70-130

**Matrix Spike Dup (1911209-MSD1)**

**Source: 1911242-01**

Prepared: 11/18/19 Analyzed: 11/19/19

C10-C28 (DRO) 434 50 mg/kg 500 ND 86.8 70-130 4.59 20

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.*



Extraction Oil&Gas  
370 17th Street Suite 5300  
Denver CO, 80202

Project: Reeves 32-21 DL

Project Number: 1900057  
Project Manager: Maggie Graham

**Reported:**  
11/20/19 16:51

### Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
D-09	Results in the diesel organics range are primarily due to overlap from a heavy oil range product.
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

# Summit Scientific

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4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

July 07, 2020

Tom Folley  
Remington Technologies  
2307 W 8th St  
Loveland, CO 80537

RE: Reeves 32-21

Work Order #2004305

Enclosed are the results of analyses for samples received by Summit Scientific on 04/23/20 15:00-05/07/20 12:30.  
If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'P. Shrewsbury', with a stylized, cursive script.

Paul Shrewsbury  
President



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SOIL L-1A	2004305-01	Soil	04/23/20 15:00	04/23/20 15:00
SOIL L-1B	2004305-02	Soil	04/23/20 15:00	04/23/20 15:00
SW-1	2004325-01	Soil	04/23/20 14:30	04/24/20 15:20
SW-2	2004325-02	Soil	04/23/20 14:30	04/24/20 15:20
SW-3	2004325-03	Soil	04/23/20 14:30	04/24/20 15:20
SW-4	2004325-04	Soil	04/23/20 14:30	04/24/20 15:20
SW-5	2004343-01	Soil	04/27/20 12:30	04/27/20 15:30
SW-6	2004343-02	Soil	04/27/20 12:30	04/27/20 15:30
L-1C	2004343-03	Soil	04/27/20 15:15	04/27/20 15:30
L-1D	2004343-04	Soil	04/27/20 15:15	04/27/20 15:30
SW-8	2004381-01	Soil	04/28/20 15:45	04/29/20 12:00
SW-7	2004381-02	Soil	04/28/20 15:30	04/29/20 12:00
B1	2004381-03	Soil	04/28/20 15:00	04/29/20 12:00
B2	2004381-04	Soil	04/28/20 15:05	04/29/20 12:00
B3	2004381-05	Soil	04/28/20 15:10	04/29/20 12:00
B4	2004381-06	Soil	04/28/20 15:15	04/29/20 12:00
B5	2004381-07	Soil	04/28/20 15:20	04/29/20 12:00
B6	2004381-08	Soil	04/28/20 16:00	04/29/20 12:00
L2-A	2004381-09	Soil	04/28/20 11:45	04/29/20 12:00
L2-B	2004405-01	Soil	04/30/20 14:00	04/30/20 15:15
L2-C	2005002-01	Soil	05/01/20 14:30	05/01/20 15:45
L2-D	2005017-01	Soil	05/04/20 13:05	05/04/20 16:15
L2-E	2005034-01	Soil	05/05/20 15:15	05/05/20 15:45
L3-A	2005034-02	Soil	05/05/20 15:20	05/05/20 15:45
L2-F	2005048-01	Soil	05/06/20 15:05	05/06/20 16:00
L3-B	2005048-02	Soil	05/06/20 15:10	05/06/20 16:00
L3-C	2005067-01	Soil	05/06/20 16:03	05/07/20 12:30

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.*





Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
L3-D	2005067-02	Soil	05/07/20 08:03	05/07/20 12:30
L3-E	2005067-03	Soil	05/06/20 16:15	05/07/20 12:30
L3-F	2005067-04	Soil	05/07/20 08:15	05/07/20 12:30
L3-G	2005067-05	Soil	05/07/20 08:00	05/07/20 12:30
L3-H	2005067-06	Soil	05/07/20 07:50	05/07/20 12:30

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.*

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S<sub>2</sub>

2004305

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: REMINGTON TECHNOLOGIES

Project Manager: TOM FOLLEY

Address: 2307 W 8<sup>TH</sup> STREET

E-Mail: LDENT@REMINGTONTECH.NET

City/State/Zip: LOVELAND, CO 80537

Phone: 970 278 1646

Project Name: REEVES 32-21

Sampler Name: ERIC FOLLEY

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions		
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-GRO	TPH-DRO				
1	SOIL L-1A	4-23-20	1500	1			X				X				X	X	X		
2	SOIL L-1B	4-23-20	1500	1			X				X				X	X	X		
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished by: <i>Eric Folley</i>	Date/Time: 4-23-20 1500	Received by: <i>[Signature]</i>	Date/Time: 04/25/2020 1500	Turn Around Time (Check) Same Day <input type="checkbox"/> 72 hours <input type="checkbox"/> 24 hours <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 48 hours <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: <u>5.4</u> Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

# Summit Scientific

S<sub>2</sub>

2004325

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: ~~Remington~~ Remington tech

Project Manager: Lonnie Dent

Address: 8100 Arkins Ct

E-Mail: ldent@remingtontech.net

City/State/Zip: Loveland, CO 80538

Phone: 303-807-3627

Project Name: Reeves 32-21

Sampler Name: Aspen Baltzly

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested				Special Instructions
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH - DRO	TPH - GRO		
1	SW-1	4-24-20	14:30	1			X			X				/	/	/	
2	SW-2	4-24-20	14:30	1			X			X				/	/	/	
3	SW-3	4-24-20	14:30	1			X			X				/	/	/	
4	SW-4	4-24-20	14:30	1			X			X				/	/	/	
5																	
6																	
7																	
8																	
9																	
10																	

Relinquished by: Aspen Baltzly	Date/Time: 4-24-20 15:20	Received by: 	Date/Time: 04/24/2020 1520	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard 48 hours <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: 4.5 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

# Summit Scientific

S<sub>2</sub>

2004343

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington Tech

Project Manager: Lonnie Dent

Address: 8100 Arkins Ct

E-Mail: ldent@remingtontech.net

City/State/Zip: Loveland, CO 80538



Phone: 303-807-3627

Project Name: Reeves 32-21

Sampler Name: Aspen Baltzly

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions		
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-CRO	TPH-DRO						
1	SW-5	4-27-20	12:30	1						X				X	X	X					
2	SW-6	4-27-20	12:30	1						X				X	X	X					
3	L-1C	4-27-20	15:15	1						X				X	X	X					
4	L-1D	4-27-20	15:15	1						X				X	X	X					
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished by: 	Date/Time: 4-27-2020 15:30	Received by: 	Date/Time: 04/27/2020 15:30	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours 24 hours 48 hours	Sample Integrity: Temperature Upon Receipt: 5.1 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:			
Relinquished by:	Date/Time:	Received by:	Date/Time:			

# Summit Scientific

S<sub>2</sub>

2004381

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington Tech

Project Manager: Lonnie Dent

Address: 8100 Arkins CT

E-Mail: ldent@remington.net

City/State/Zip: Loveland CO 80538

Phone: 303-807-3627

Project Name: Reeves 32-21

Sampler Name: Aspen Baltzly

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions	
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-GRO	TPH-DRO							
1	SW-8	4-28-20	15:45	1			X			X				X	X	X						
2	SW-7	4-28-20	15:30	1			X			X				X	X	X						
3	B1	4-28-20	15:00	1			X			X				X	X	X						
4	B2	4-28-20	15:05	1			X			X				X	X	X						
5	B3	4-28-20	15:10	1			X			X				X	X	X						
6	B4	4-28-20	15:15	1			X			X				X	X	X						
7	B5	4-28-20	15:20	1			X			X				X	X	X						
8	B6	4-28-20	16:00	1			X			X				X	X	X						
9	L2-A	4-29-20	11:45	1			X			X				X	X	X						
10																						

Relinquished by: Aspen Baltzly <i>[Signature]</i>	Date/Time: 4-29-20 12:00	Received by: <i>[Signature]</i>	Date/Time: 04/29/2020 12:00	Turn Around Time (Check) Same Day <input checked="" type="checkbox"/> 72 hours 24 hours <input type="checkbox"/> Standard 48 hours <input type="checkbox"/>	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: 4.7 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	
Relinquished by:	Date/Time:	Received by:	Date/Time:		

# Summit Scientific

S<sub>2</sub>

2004405

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington Tech Project Manager: Lonnie Dent  
Address: 8100 ARKINS CT E-Mail: LDent@remingtontech.net  
City/State/Zip: Lovebark CO 80538  
Phone: 303-807-3629 Project Name: Reeves 32-21  
Sampler Name: Aspen Bratzky Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions		
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-GRO	TPH-DRO						
1	L2-B	4-30-20	14:00	1			X			X				X	X	X					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					

Relinquished by: <u>LDN</u>	Date/Time: <u>4-30-2020 15:15</u>	Received by: <u>[Signature]</u>	Date/Time: <u>04/30/2020 1515</u>	<b>Turn Around Time</b> (Check) Same Day <u>X</u> 72 hours <u>—</u> 24 hours <u>—</u> Standard <u>—</u> 48 hours <u>—</u> <b>Sample Integrity:</b> Temperature Upon Receipt: <u>2.6</u> Samples Intact: <u>(Yes)</u> No	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

# Summit Scientific

S<sub>2</sub>

2008002

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington Tech Project Manager: Lonnie Dent  
Address: 8100 Atkins Ct E-Mail: LDent@remingtontech.net  
City/State/Zip: Loveland, CO 80538  
Phone: 303-807-3627 Project Name: Reeves 32-21  
Sampler Name: Aspen Battery Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested								Special Instructions					
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BIF	TPH	GRO	TPH	DDO									
1	L2-C	5-1-2020	14:30	1			X							X	X	X										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										

Relinquished by: <u>[Signature]</u>	Date/Time: <u>5-1-2020 15:45</u>	Received by: <u>[Signature]</u>	Date/Time: <u>65/01/2020 1545</u>	Turn Around Time (Check)	Notes:
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day <u>X</u> 72 hours <u>—</u>	
				24 hours <u>—</u> Standard <u>—</u>	
				48 hours <u>—</u>	
Relinquished by:	Date/Time:	Received by:	Date/Time:	Sample Integrity:	
				Temperature Upon Receipt: <u>3-8</u>	
				Samples Intact: <u>(Yes)</u> No	



# Summit Scientific

S<sub>2</sub>

2005017

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington tech

Project Manager: Tom Foley

Address: 8100 Arkins Ct

E-Mail: Ldent@remingtontech.net

City/State/Zip: Loveland CO 80538

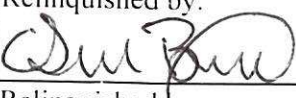
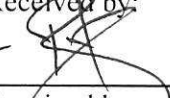
Phone: 303-807-3627

Project Name: Reeves 32-21

Sampler Name: Aspen Baltzly

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions				
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BIEX	TPH-GRO	TPH-DRO								
1	L2-D	5-4-2020	13:05	1			X			X				X	X	X							
2																							
3																							
4																							
5																							
6																							
7																							
8																							
9																							
10																							

Relinquished by: 	Date/Time: 5-4-2020 14:30	Received by: 	Date/Time: 05/04/2020 1615	<b>Turn Around Time</b> (Check) Same Day <input checked="" type="checkbox"/> 72 hours ___ 24 hours ___ Standard ___ 48 hours ___ <b>Sample Integrity:</b> Temperature Upon Receipt: 3.1 Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	<b>Notes:</b>
Relinquished by:	Date/Time:	Received by:	Date/Time:		
Relinquished by:	Date/Time:	Received by:	Date/Time:		

2005034

Page | of |

[illegible]

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# Summit Scientific

S<sub>2</sub>

2005048

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington tech

Project Manager:

Tom Foley

Address: 8100 Arkins Ct

E-Mail:

lsent@remingtontech.net

City/State/Zip: Loveland CO 80538

Phone: 303-807-3627

Project Name:

ROOVES 32-21

Sampler Name: Aspen Baitly

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO <sub>3</sub>	None	Other	Water	Soil	Air-Canister #	Other	BTEX	TPH-GRO	TPH-DRO				
1	L2-F	5-6-20	15:05	1						X			X	X	X				
2	L3-B	5-6-20	15:10	1						X			X	X	X				
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Relinquished by:

Date/Time:

5-6-2020  
1600

Received by:

Date/Time:

05/06/2020  
1600

Turn Around Time

(Check)

Same Day

X

72 hours

—

24 hours

—

Standard

—

48 hours

—

Sample Integrity:

Temperature Upon Receipt:

4.6

Samples Intact:

Yes

No

Notes:

# Summit Scientific

2005067

4653 Table Mountain Drive ♦ Golden, Colorado 80403  
303-277-9310

Page 1 of 1

Client: Remington Tech

Project Manager: Tom Falley

Address: 8100 Atkins Ct

E-Mail: lrent@remingtontech.net

City/State/Zip: Loveland CO 80538

Phone: 303-807-3627

Project Name: Reeves 32-21

Sampler Name: Aspen Baltzy

Project Number:

ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix				Analysis Requested						Special Instructions
					HCl	HNO3	None	Other	Water	Soil	Air-Canister #	Other	BTX	TPH-GRO	TPH-DRO				
1	L3-C	5-6-20	16:30	1						X			X	X	X				
2	L3-D	5-7-20	8:30	1						X			X	X	X				
3	L3-E	5-6-20	16:15	1						X			X	X	X				
4	L3-F	5-7-20	8:15	1						X			X	X	X				
5	L3-G	5-7-20	8:00	1						X			X	X	X				
6	L3-H	5-7-20	7:50	1						X			X	X	X				
7																			
8																			
9																			
10																			

Relinquished by: *DM Bull* Date/Time: 5-7-2020 12:30

Received by: *[Signature]* Date/Time: 05-07-2020 12:30

Turn Around Time (Check)  
Same Day ☒ 72 hours \_\_\_  
24 hours \_\_\_ Standard \_\_\_  
48 hours \_\_\_

Sample Integrity:  
Temperature Upon Receipt: 3.4  
Samples Intact: ☒ Yes ☐ No

Notes:

ON ICE

# Sample Receipt Checklist

S2 Work Order 2004305

Client: Pennington Technologies Client Project ID: Reeves 32-21

Shipped Via: H.D./FD/FedEx/UPS/USPS/Other \_\_\_\_\_ Airbill #: \_\_\_\_\_

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

Temp (°C)	5.4
-----------	-----

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<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"/>			
If custody seals are present, are they intact <sup>(1)</sup> ?			<input checked="" type="checkbox"/>	
Are samples with holding times due within 48 hours sample due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form 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 w/ date and time recorded <sup>(1)</sup> ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? <b>If yes, contact client and note in narrative.</b>			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.			<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?			<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.

Custodian Printed Name or Initials

Signature of Custodian

Date/Time

1800



# Sample Receipt Checklist

S2 Work Order 2004325

Client: Lanington Tech Client Project ID: Reeves 32-21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

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

Temp (°C) 4.5

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Custodian Printed Name or Initials TS

Signature of Custodian [Signature]

Date/Time 04/24/2020 1630

# Sample Receipt Checklist

S2 Work Order 2004343

Client: Remington Tech Client Project ID: Reeves 32-21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

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

Temp (°C) 5.1

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	on ice
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Custodian Printed Name or Initials VB

Signature of Custodian [Signature]

Date/Time 04/27/2020



# Sample Receipt Checklist

S2 Work Order 2004381

Client: REMINGTON TECH

Client Project ID: REEVES 32 - 21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒

Airbill #: \_\_\_\_\_

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

Temp (°C) 4.7

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

RZ

Custodian Printed Name or Initials

Signature of Custodian

4/29/20

Date/Time

# Sample Receipt Checklist

S2 Work Order 2064405

Client: Remington Tech Client Project ID: Res VES 32-31

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

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

Temp (°C) 2.6

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Custodian Printed Name or Initials

Signature of Custodian

Date/Time

04/30/2020

# Sample Receipt Checklist

S2 Work Order 2008002

Client: Lamington Tech Client Project ID: Reeves 32-21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

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

Temp (°C) 3.8

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Custodian Printed Name or Initials

Signature of Custodian

05/01/2008  
Date/Time

# Sample Receipt Checklist

S2 Work Order 2005017

Client: Remington Tech Client Project ID: REEVES 32-21

Shipped Via: ☒ H.D./P.U./FedEx/UPS/USPS/Other ☐ Airbill #: \_\_\_\_\_

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

Temp (°C) 3.1

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Custodian Printed Name or Initials RT

Signature of Custodian [Signature]

Date/Time 05/04/2020

# Sample Receipt Checklist

S2 Work Order 2005034

Client: REMINGTON TECH

Client Project ID: REEVES 32- 21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: \_\_\_\_\_

Matrix (check all that apply):

☐ Air

☒ Soil/Solid

☐ Water

☐ Other: \_\_\_\_\_

(Describe)

Temp (°C)

2.3

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.				

RZ

Custodian Printed Name or Initials

Signature of Custodian

5/5/20

Date/Time

# Sample Receipt Checklist

S2 Work Order 2005048

Client: RemingtonTech Client Project ID: REEVES 32-21

Shipped Via: ☐ H.D./P.U./FedEx/UPS/USPS/Other ☒ Airbill #: \_\_\_\_\_

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

Temp (°C)	<u>4.6</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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

Custodian Printed Name or Initials

Signature of Custodian

Date/Time

05/06/2020



# Sample Receipt Checklist

S2 Work Order 2005067

Client: Remington Tech.

Client Project ID: Reeves 32-21

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other

Airbill #: \_\_\_\_\_

☒ ☐ ☐ ☐ ☐

Matrix (check all that apply):

☐ Air

☒ Soil/Solid

☐ Water

☐ Other:

(Describe)

Temp (°C)	3.4
-----------	-----

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> ? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day TAT
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? If yes, contact client and note in narrative.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) <sup>(1)</sup> ? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 <sup>(1)</sup> ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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.

MP

Custodian Printed Name or Initials

*Muri Premer*

Signature of Custodian

5/7/20

Date/Time





Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SOIL L-1A**  
**2004305-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>Benzene</b>	<b>0.094</b>	0.020	mg/kg	10	2004281	04/23/20	04/24/20	EPA 8260B	
<b>Toluene</b>	<b>0.18</b>	0.050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>1.5</b>	0.050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>10</b>	0.10	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>260</b>	5.0	"	"	"	"	"	"	

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.8 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.9 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		196 %	21-167		"	"	"	"	S-02

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<b>C10-C28 (DRO)</b>	<b>3900</b>	50	mg/kg	1	2004297	04/23/20	04/24/20	EPA 8015M	

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
<i>Surrogate: o-Terphenyl</i>		231 %	30-150		"	"	"	"	S-02

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SOIL L-1B**  
**2004305-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>Benzene</b>	<b>0.058</b>	0.020		mg/kg	10	2004281	04/23/20	04/24/20	EPA 8260B	
<b>Toluene</b>	<b>0.084</b>	0.050		"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.27</b>	0.050		"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>3.7</b>	0.10		"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>120</b>	5.0		"	"	"	"	"	"	

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.6 %		23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.8 %		20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		144 %		21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<b>C10-C28 (DRO)</b>	<b>2000</b>	50		mg/kg	1	2004297	04/23/20	04/24/20	EPA 8015M	

Date Sampled: **04/23/20 15:00**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
<i>Surrogate: o-Terphenyl</i>		129 %		30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-1**  
**2004325-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004321	04/24/20	04/24/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.4 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004320	04/24/20	04/24/20	EPA 8015M	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		91.3 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-2**  
**2004325-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004321	04/24/20	04/24/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		95.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.0 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004320	04/24/20	04/24/20	EPA 8015M	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		99.6 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-3**  
**2004325-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004321	04/24/20	04/24/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.4 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004320	04/24/20	04/24/20	EPA 8015M	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		97.4 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-4**  
**2004325-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004321	04/24/20	04/24/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		92.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004320	04/24/20	04/24/20	EPA 8015M	

Date Sampled: **04/23/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		98.0 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-5**  
**2004343-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004331	04/27/20	04/27/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004332	04/27/20	04/27/20	EPA 8015M	

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		103 %	30-150		"	"	"	"	

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.





Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-6**  
**2004343-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004331	04/27/20	04/27/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		91.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004332	04/27/20	04/27/20	EPA 8015M	

Date Sampled: **04/27/20 12:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		109 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L-1C**  
**2004343-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>Benzene</b>	<b>0.0031</b>	0.0020	mg/kg	1	2004331	04/27/20	04/27/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.015</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.15</b>	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>21</b>	0.50	"	"	"	"	"	"	

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		134 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>C10-C28 (DRO)</b>	<b>2200</b>	50	mg/kg	1	2004332	04/27/20	04/27/20	EPA 8015M	

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		109 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L-1D**  
**2004343-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>Benzene</b>	<b>0.0055</b>	0.0020	mg/kg	1	2004331	04/27/20	04/27/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
<b>Ethylbenzene</b>	<b>0.014</b>	0.0050	"	"	"	"	"	"	
<b>Xylenes (total)</b>	<b>0.13</b>	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>17</b>	0.50	"	"	"	"	"	"	

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		120 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>1900</b>	50	mg/kg	1	2004332	04/27/20	04/27/20	EPA 8015M	

Date Sampled: **04/27/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		111 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-8**  
**2004381-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		85.1 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**SW-7**  
**2004381-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		81.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		92.7 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**B1**  
**2004381-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		82.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		103 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		91.9 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**B2**  
**2004381-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		85.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		87.3 %	30-150		"	"	"	"	

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.





Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**B3**  
**2004381-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		86.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		106 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		73.6 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**B4**  
**2004381-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		85.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		84.3 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**B5**  
**2004381-07 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.5 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 15:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		89.9 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**B6**  
**2004381-08 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.1 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 16:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		93.9 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L2-A**  
**2004381-09 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/28/20 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004354	04/29/20	04/29/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	<b>0.0087</b>	0.0050	"	"	"	"	"	"	
Xylenes (total)	<b>0.091</b>	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	<b>7.5</b>	0.50	"	"	"	"	"	"	

Date Sampled: **04/28/20 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		91.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		119 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/28/20 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	<b>720</b>	50	mg/kg	1	2004355	04/29/20	04/29/20	EPA 8015M	

Date Sampled: **04/28/20 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		94.5 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L2-B**  
**2004405-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **04/30/20 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2004373	04/30/20	04/30/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>5.5</b>	0.50	"	"	"	"	"	"	

Date Sampled: **04/30/20 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		106 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.5 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **04/30/20 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>1300</b>	50	mg/kg	1	2004374	04/30/20	04/30/20	EPA 8015M	

Date Sampled: **04/30/20 14:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		99.6 %	30-150		"	"	"	"	

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L2-C**  
**2005002-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/01/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005018	05/01/20	05/01/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>4.8</b>	0.50	"	"	"	"	"	"	

Date Sampled: **05/01/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		127 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/01/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>650</b>	50	mg/kg	1	2005019	"	05/01/20	EPA 8015M	

Date Sampled: **05/01/20 14:30**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		95.9 %	30-150		"	"	"	"	

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.





Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L2-D**  
**2005017-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/04/20 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005024	05/04/20	05/04/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>5.0</b>	0.50	"	"	"	"	"	"	

Date Sampled: **05/04/20 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/04/20 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>510</b>	50	mg/kg	1	2005025	05/04/20	05/04/20	EPA 8015M	

Date Sampled: **05/04/20 13:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		88.0 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L2-E**  
**2005034-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/05/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005040	05/05/20	05/05/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>4.3</b>	0.50	"	"	"	"	"	"	

Date Sampled: **05/05/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/05/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>540</b>	50	mg/kg	1	2005039	05/05/20	05/05/20	EPA 8015M	

Date Sampled: **05/05/20 15:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		98.0 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-A**  
**2005034-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/05/20 15:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005040	05/05/20	05/05/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
<b>Gasoline Range Hydrocarbons</b>	<b>6.5</b>	0.50	"	"	"	"	"	"	

Date Sampled: **05/05/20 15:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		114 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/05/20 15:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>650</b>	50	mg/kg	1	2005039	05/05/20	05/05/20	EPA 8015M	

Date Sampled: **05/05/20 15:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		97.8 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L2-F**  
**2005048-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/06/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005058	05/06/20	05/06/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/06/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		81.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/06/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>96</b>	50	mg/kg	1	2005059	05/06/20	05/06/20	EPA 8015M	

Date Sampled: **05/06/20 15:05**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		91.7 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-B**  
**2005048-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/06/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005058	05/06/20	05/06/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/06/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		105 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/06/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
<b>C10-C28 (DRO)</b>	<b>170</b>	50	mg/kg	1	2005059	05/06/20	05/06/20	EPA 8015M	

Date Sampled: **05/06/20 15:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		96.3 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-C**  
**2005067-01 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/06/20 16:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005090	05/07/20	05/07/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/06/20 16:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		104 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.3 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/06/20 16:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2005091	05/07/20	05/07/20	EPA 8015M	

Date Sampled: **05/06/20 16:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		88.5 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-D**  
**2005067-02 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/07/20 08:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005090	05/07/20	05/07/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/07/20 08:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		82.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.8 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/07/20 08:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2005091	05/07/20	05/07/20	EPA 8015M	

Date Sampled: **05/07/20 08:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		90.9 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-E**  
**2005067-03 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/06/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005090	05/07/20	05/07/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/06/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		93.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		112 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.1 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/06/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2005091	05/07/20	05/07/20	EPA 8015M	

Date Sampled: **05/06/20 16:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		53.0 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-F**  
**2005067-04 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/07/20 08:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005090	05/07/20	05/07/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/07/20 08:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		95.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.6 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/07/20 08:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2005091	05/07/20	05/07/20	EPA 8015M	

Date Sampled: **05/07/20 08:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		30.3 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-G**  
**2005067-05 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/07/20 08:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005090	05/07/20	05/07/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/07/20 08:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		107 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.2 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/07/20 08:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2005091	05/07/20	05/07/20	EPA 8015M	

Date Sampled: **05/07/20 08:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		37.9 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**L3-H**  
**2005067-06 (Soil)**

**Summit Scientific**

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

Date Sampled: **05/07/20 07:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	0.0020	mg/kg	1	2005090	05/07/20	05/07/20	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/07/20 07:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		108 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	21-167		"	"	"	"	

**Extractable Petroleum Hydrocarbons by 8015**

Date Sampled: **05/07/20 07:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
C10-C28 (DRO)	ND	50	mg/kg	1	2005091	05/07/20	05/07/20	EPA 8015M	

Date Sampled: **05/07/20 07:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: o-Terphenyl		33.6 %	30-150		"	"	"	"	

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2004281 - EPA 5030 Soil MS

##### Blank (2004281-BLK1)

Prepared: 04/23/20 Analyzed: 04/24/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0352		"	0.0400		87.9	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0400		103	21-167			

##### LCS (2004281-BS1)

Prepared: 04/23/20 Analyzed: 04/24/20

Benzene	0.129	0.0020	mg/kg	0.150		85.9	70-130			
Toluene	0.140	0.0050	"	0.150		93.6	70-130			
Ethylbenzene	0.123	0.0050	"	0.150		82.1	70-130			
m,p-Xylene	0.246	0.010	"	0.300		82.0	70-130			
o-Xylene	0.131	0.0050	"	0.150		87.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0332		"	0.0400		83.0	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0426		"	0.0400		106	21-167			

##### Matrix Spike (2004281-MS1)

Source: 2004282-01

Prepared: 04/23/20 Analyzed: 04/24/20

Benzene	0.113	0.0020	mg/kg	0.150	ND	75.0	70-130			
Toluene	0.118	0.0050	"	0.150	ND	78.4	70-130			
Ethylbenzene	0.139	0.0050	"	0.150	ND	92.9	70-130			
m,p-Xylene	0.227	0.010	"	0.300	ND	75.7	70-130			
o-Xylene	0.134	0.0050	"	0.150	ND	89.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0339		"	0.0400		84.8	23-173			
Surrogate: Toluene-d8	0.0399		"	0.0400		99.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167			

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2004281 - EPA 5030 Soil MS**

**Matrix Spike Dup (2004281-MSD1)**

Source: 2004282-01

Prepared: 04/23/20 Analyzed: 04/24/20

Benzene	0.113	0.0020	mg/kg	0.150	ND	75.5	70-130	0.585	30	
Toluene	0.120	0.0050	"	0.150	ND	80.2	70-130	2.27	30	
Ethylbenzene	0.107	0.0050	"	0.150	ND	71.7	70-130	25.9	30	
m,p-Xylene	0.239	0.010	"	0.300	ND	79.7	70-130	5.14	30	
o-Xylene	0.110	0.0050	"	0.150	ND	73.2	70-130	19.6	30	
Surrogate: 1,2-Dichloroethane-d4	0.0356		"	0.0400		89.0	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0428		"	0.0400		107	21-167			

**Batch 2004321 - EPA 5030 Soil MS**

**Blank (2004321-BLK1)**

Prepared & Analyzed: 04/24/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0327		"	0.0400		81.7	23-173			
Surrogate: Toluene-d8	0.0428		"	0.0400		107	20-170			
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.1	21-167			

**LCS (2004321-BS1)**

Prepared & Analyzed: 04/24/20

Benzene	0.0988	0.0020	mg/kg	0.100		98.8	70-130			
Toluene	0.0721	0.0050	"	0.100		72.1	70-130			
Ethylbenzene	0.0928	0.0050	"	0.100		92.8	70-130			
m,p-Xylene	0.174	0.010	"	0.200		87.1	70-130			
o-Xylene	0.0887	0.0050	"	0.100		88.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0262		"	0.0400		65.6	23-173			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0364		"	0.0400		91.0	21-167			

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2004321 - EPA 5030 Soil MS

##### Matrix Spike (2004321-MS1)

Source: 2004325-01

Prepared & Analyzed: 04/24/20

Benzene	0.0724	0.0020	mg/kg	0.100	ND	72.4	70-130			
Toluene	0.0767	0.0050	"	0.100	ND	76.7	70-130			
Ethylbenzene	0.0918	0.0050	"	0.100	ND	91.8	70-130			
m,p-Xylene	0.172	0.010	"	0.200	0.00372	84.4	70-130			
o-Xylene	0.0889	0.0050	"	0.100	ND	88.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0321		"	0.0400		80.2	23-173			
Surrogate: Toluene-d8	0.0393		"	0.0400		98.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0367		"	0.0400		91.7	21-167			

##### Matrix Spike Dup (2004321-MSD1)

Source: 2004325-01

Prepared & Analyzed: 04/24/20

Benzene	0.0742	0.0020	mg/kg	0.100	ND	74.2	70-130	2.41	30	
Toluene	0.0715	0.0050	"	0.100	ND	71.5	70-130	7.13	30	
Ethylbenzene	0.0887	0.0050	"	0.100	ND	88.7	70-130	3.39	30	
m,p-Xylene	0.168	0.010	"	0.200	0.00372	82.1	70-130	2.63	30	
o-Xylene	0.0867	0.0050	"	0.100	ND	86.7	70-130	2.50	30	
Surrogate: 1,2-Dichloroethane-d4	0.0319		"	0.0400		79.7	23-173			
Surrogate: Toluene-d8	0.0390		"	0.0400		97.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0369		"	0.0400		92.2	21-167			

#### Batch 2004331 - EPA 5030 Soil MS

##### Blank (2004331-BLK1)

Prepared & Analyzed: 04/27/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0356		"	0.0400		89.0	23-173			
Surrogate: Toluene-d8	0.0451		"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.8	21-167			

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2004331 - EPA 5030 Soil MS**

**LCS (2004331-BS1)**

Prepared & Analyzed: 04/27/20

Benzene	0.0975	0.0020	mg/kg	0.100		97.5	70-130
Toluene	0.0750	0.0050	"	0.100		75.0	70-130
Ethylbenzene	0.0904	0.0050	"	0.100		90.4	70-130
m,p-Xylene	0.172	0.010	"	0.200		86.2	70-130
o-Xylene	0.0863	0.0050	"	0.100		86.3	70-130
Surrogate: 1,2-Dichloroethane-d4	0.0287		"	0.0400		71.7	23-173
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		93.0	21-167

**Matrix Spike (2004331-MS1)**

Source: 2004342-01

Prepared & Analyzed: 04/27/20

Benzene	0.0760	0.0020	mg/kg	0.100	0.00423	71.8	70-130
Toluene	0.0778	0.0050	"	0.100	ND	77.8	70-130
Ethylbenzene	0.0944	0.0050	"	0.100	ND	94.4	70-130
m,p-Xylene	0.179	0.010	"	0.200	0.00369	87.6	70-130
o-Xylene	0.0914	0.0050	"	0.100	ND	91.4	70-130
Surrogate: 1,2-Dichloroethane-d4	0.0322		"	0.0400		80.6	23-173
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170
Surrogate: 4-Bromofluorobenzene	0.0384		"	0.0400		96.1	21-167

**Matrix Spike Dup (2004331-MSD1)**

Source: 2004342-01

Prepared & Analyzed: 04/27/20

Benzene	0.0764	0.0020	mg/kg	0.100	0.00423	72.2	70-130	0.551	30
Toluene	0.0775	0.0050	"	0.100	ND	77.5	70-130	0.502	30
Ethylbenzene	0.0959	0.0050	"	0.100	ND	95.9	70-130	1.55	30
m,p-Xylene	0.181	0.010	"	0.200	0.00369	88.7	70-130	1.27	30
o-Xylene	0.0917	0.0050	"	0.100	ND	91.7	70-130	0.426	30
Surrogate: 1,2-Dichloroethane-d4	0.0310		"	0.0400		77.6	23-173		
Surrogate: Toluene-d8	0.0399		"	0.0400		99.7	20-170		
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0400		94.3	21-167		

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2004354 - EPA 5030 Soil MS**

**Blank (2004354-BLK1)**

Prepared & Analyzed: 04/29/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0346		"	0.0400		86.6	23-173			
Surrogate: Toluene-d8	0.0408		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0421		"	0.0400		105	21-167			

**LCS (2004354-BS1)**

Prepared & Analyzed: 04/29/20

Benzene	0.0866	0.0020	mg/kg	0.100		86.6	70-130			
Toluene	0.0748	0.0050	"	0.100		74.8	70-130			
Ethylbenzene	0.0714	0.0050	"	0.100		71.4	70-130			
m,p-Xylene	0.199	0.010	"	0.200		99.3	70-130			
o-Xylene	0.0711	0.0050	"	0.100		71.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0333		"	0.0400		83.2	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

**Matrix Spike (2004354-MS1)**

Source: 2004381-01

Prepared & Analyzed: 04/29/20

Benzene	0.0875	0.0020	mg/kg	0.100	ND	87.5	70-130			
Toluene	0.0761	0.0050	"	0.100	ND	76.1	70-130			
Ethylbenzene	0.0727	0.0050	"	0.100	ND	72.7	70-130			
m,p-Xylene	0.202	0.010	"	0.200	0.00312	99.7	70-130			
o-Xylene	0.0725	0.0050	"	0.100	ND	72.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0347		"	0.0400		86.8	23-173			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167			

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2004354 - EPA 5030 Soil MS

##### Matrix Spike Dup (2004354-MSD1)

Source: 2004381-01

Prepared & Analyzed: 04/29/20

Benzene	0.0875	0.0020	mg/kg	0.100	ND	87.5	70-130	0.0343	30	
Toluene	0.0779	0.0050	"	0.100	ND	77.9	70-130	2.30	30	
Ethylbenzene	0.0728	0.0050	"	0.100	ND	72.8	70-130	0.0413	30	
m,p-Xylene	0.202	0.010	"	0.200	0.00312	99.4	70-130	0.326	30	
o-Xylene	0.0720	0.0050	"	0.100	ND	72.0	70-130	0.789	30	
Surrogate: 1,2-Dichloroethane-d4	0.0326		"	0.0400		81.4	23-173			
Surrogate: Toluene-d8	0.0409		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		103	21-167			

#### Batch 2004373 - EPA 5030 Soil MS

##### Blank (2004373-BLK1)

Prepared & Analyzed: 04/30/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0390		"	0.0400		97.5	23-173			
Surrogate: Toluene-d8	0.0458		"	0.0400		115	20-170			
Surrogate: 4-Bromofluorobenzene	0.0403		"	0.0400		101	21-167			

##### LCS (2004373-BS1)

Prepared & Analyzed: 04/30/20

Benzene	0.0946	0.0020	mg/kg	0.100		94.6	70-130			
Toluene	0.0718	0.0050	"	0.100		71.8	70-130			
Ethylbenzene	0.0873	0.0050	"	0.100		87.3	70-130			
m,p-Xylene	0.169	0.010	"	0.200		84.3	70-130			
o-Xylene	0.0878	0.0050	"	0.100		87.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0295		"	0.0400		73.6	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0380		"	0.0400		94.9	21-167			

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2004373 - EPA 5030 Soil MS

##### Matrix Spike (2004373-MS1)

Source: 2004375-01

Prepared & Analyzed: 04/30/20

Benzene	0.0736	0.0020	mg/kg	0.100	ND	73.6	70-130		
Toluene	0.0740	0.0050	"	0.100	ND	74.0	70-130		
Ethylbenzene	0.0976	0.0050	"	0.100	0.0111	86.5	70-130		
m,p-Xylene	0.181	0.010	"	0.200	0.00471	88.3	70-130		
o-Xylene	0.0920	0.0050	"	0.100	ND	92.0	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.0330		"	0.0400		82.5	23-173		
Surrogate: Toluene-d8	0.0379		"	0.0400		94.7	20-170		
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.7	21-167		

##### Matrix Spike Dup (2004373-MSD1)

Source: 2004375-01

Prepared & Analyzed: 04/30/20

Benzene	0.0762	0.0020	mg/kg	0.100	ND	76.2	70-130	3.36	30
Toluene	0.0744	0.0050	"	0.100	ND	74.4	70-130	0.485	30
Ethylbenzene	0.120	0.0050	"	0.100	0.0111	109	70-130	20.9	30
m,p-Xylene	0.183	0.010	"	0.200	0.00471	89.1	70-130	0.890	30
o-Xylene	0.0922	0.0050	"	0.100	ND	92.2	70-130	0.228	30
Surrogate: 1,2-Dichloroethane-d4	0.0325		"	0.0400		81.2	23-173		
Surrogate: Toluene-d8	0.0362		"	0.0400		90.6	20-170		
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.5	21-167		

#### Batch 2005018 - EPA 5030 Soil MS

##### Blank (2005018-BLK1)

Prepared & Analyzed: 05/01/20

Benzene	ND	0.0020	mg/kg						
Toluene	ND	0.0050	"						
Ethylbenzene	ND	0.0050	"						
Xylenes (total)	ND	0.010	"						
Gasoline Range Hydrocarbons	ND	0.50	"						
Surrogate: 1,2-Dichloroethane-d4	0.0309		"	0.0400		77.3	23-173		
Surrogate: Toluene-d8	0.0436		"	0.0400		109	20-170		
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.6	21-167		

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2005018 - EPA 5030 Soil MS

##### LCS (2005018-BS1)

Prepared & Analyzed: 05/01/20

Benzene	0.0723	0.0020	mg/kg	0.100		72.3	70-130
Toluene	0.0764	0.0050	"	0.100		76.4	70-130
Ethylbenzene	0.0961	0.0050	"	0.100		96.1	70-130
m,p-Xylene	0.184	0.010	"	0.200		92.2	70-130
o-Xylene	0.0924	0.0050	"	0.100		92.4	70-130
Surrogate: 1,2-Dichloroethane-d4	0.0280		"	0.0400		70.0	23-173
Surrogate: Toluene-d8	0.0399		"	0.0400		99.7	20-170
Surrogate: 4-Bromofluorobenzene	0.0374		"	0.0400		93.4	21-167

##### Matrix Spike (2005018-MS1)

Source: 2005001-04

Prepared & Analyzed: 05/01/20

Benzene	0.0981	0.0020	mg/kg	0.100	ND	98.1	70-130
Toluene	0.0724	0.0050	"	0.100	ND	72.4	70-130
Ethylbenzene	0.0943	0.0050	"	0.100	ND	94.3	70-130
m,p-Xylene	0.180	0.010	"	0.200	ND	90.2	70-130
o-Xylene	0.0922	0.0050	"	0.100	ND	92.2	70-130
Surrogate: 1,2-Dichloroethane-d4	0.0286		"	0.0400		71.6	23-173
Surrogate: Toluene-d8	0.0389		"	0.0400		97.4	20-170
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		92.9	21-167

##### Matrix Spike Dup (2005018-MSD1)

Source: 2005001-04

Prepared & Analyzed: 05/01/20

Benzene	0.0974	0.0020	mg/kg	0.100	ND	97.4	70-130	0.798	30
Toluene	0.0719	0.0050	"	0.100	ND	71.9	70-130	0.707	30
Ethylbenzene	0.0933	0.0050	"	0.100	ND	93.3	70-130	1.06	30
m,p-Xylene	0.180	0.010	"	0.200	ND	90.2	70-130	0.00	30
o-Xylene	0.0912	0.0050	"	0.100	ND	91.2	70-130	1.08	30
Surrogate: 1,2-Dichloroethane-d4	0.0283		"	0.0400		70.8	23-173		
Surrogate: Toluene-d8	0.0385		"	0.0400		96.3	20-170		
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		93.1	21-167		

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2005024 - EPA 5030 Soil MS**

**Blank (2005024-BLK1)**

Prepared & Analyzed: 05/04/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0361		"	0.0400		90.2	23-173			
Surrogate: Toluene-d8	0.0452		"	0.0400		113	20-170			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	21-167			

**LCS (2005024-BS1)**

Prepared & Analyzed: 05/04/20

Benzene	0.0969	0.0020	mg/kg	0.100		96.9	70-130			
Toluene	0.0710	0.0050	"	0.100		71.0	70-130			
Ethylbenzene	0.0876	0.0050	"	0.100		87.6	70-130			
m,p-Xylene	0.165	0.010	"	0.200		82.6	70-130			
o-Xylene	0.0854	0.0050	"	0.100		85.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0301		"	0.0400		75.2	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0378		"	0.0400		94.6	21-167			

**Matrix Spike (2005024-MS1)**

Source: 2004407-01

Prepared & Analyzed: 05/04/20

Benzene	0.0741	0.0020	mg/kg	0.100	ND	74.1	70-130			
Toluene	0.0771	0.0050	"	0.100	ND	77.1	70-130			
Ethylbenzene	0.0931	0.0050	"	0.100	ND	93.1	70-130			
m,p-Xylene	0.178	0.010	"	0.200	ND	89.0	70-130			
o-Xylene	0.0901	0.0050	"	0.100	ND	90.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0312		"	0.0400		77.9	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0380		"	0.0400		95.0	21-167			

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.



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2005024 - EPA 5030 Soil MS

##### Matrix Spike Dup (2005024-MSD1)

Source: 2004407-01

Prepared & Analyzed: 05/04/20

Benzene	0.0733	0.0020	mg/kg	0.100	ND	73.3	70-130	1.10	30	
Toluene	0.0706	0.0050	"	0.100	ND	70.6	70-130	8.69	30	
Ethylbenzene	0.0883	0.0050	"	0.100	ND	88.3	70-130	5.29	30	
m,p-Xylene	0.168	0.010	"	0.200	ND	83.9	70-130	5.88	30	
o-Xylene	0.0874	0.0050	"	0.100	ND	87.4	70-130	3.04	30	
Surrogate: 1,2-Dichloroethane-d4	0.0298		"	0.0400		74.6	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0374		"	0.0400		93.5	21-167			

#### Batch 2005040 - EPA 5030 Soil MS

##### Blank (2005040-BLK1)

Prepared & Analyzed: 05/05/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0322		"	0.0400		80.5	23-173			
Surrogate: Toluene-d8	0.0405		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0420		"	0.0400		105	21-167			

##### LCS (2005040-BS1)

Prepared & Analyzed: 05/05/20

Benzene	0.0843	0.0020	mg/kg	0.100		84.3	70-130			
Toluene	0.0793	0.0050	"	0.100		79.3	70-130			
Ethylbenzene	0.0721	0.0050	"	0.100		72.1	70-130			
m,p-Xylene	0.142	0.010	"	0.200		71.2	70-130			
o-Xylene	0.0713	0.0050	"	0.100		71.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0325		"	0.0400		81.3	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		102	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2005040 - EPA 5030 Soil MS**

**Matrix Spike (2005040-MS1)**

**Source: 2005030-01**

Prepared & Analyzed: 05/05/20

Benzene	0.0840	0.0020	mg/kg	0.100	ND	84.0	70-130			
Toluene	0.0802	0.0050	"	0.100	ND	80.2	70-130			
Ethylbenzene	0.0714	0.0050	"	0.100	ND	71.4	70-130			
m,p-Xylene	0.201	0.010	"	0.200	0.00453	98.1	70-130			
o-Xylene	0.0719	0.0050	"	0.100	ND	71.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0331		"	0.0400		82.7	23-173			
Surrogate: Toluene-d8	0.0416		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0419		"	0.0400		105	21-167			

**Matrix Spike Dup (2005040-MSD1)**

**Source: 2005030-01**

Prepared & Analyzed: 05/05/20

Benzene	0.0833	0.0020	mg/kg	0.100	ND	83.3	70-130	0.861	30	
Toluene	0.0783	0.0050	"	0.100	ND	78.3	70-130	2.38	30	
Ethylbenzene	0.0701	0.0050	"	0.100	ND	70.1	70-130	1.82	30	
m,p-Xylene	0.198	0.010	"	0.200	0.00453	96.8	70-130	1.40	30	
o-Xylene	0.0700	0.0050	"	0.100	ND	70.0	70-130	2.62	30	
Surrogate: 1,2-Dichloroethane-d4	0.0343		"	0.0400		85.6	23-173			
Surrogate: Toluene-d8	0.0413		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0420		"	0.0400		105	21-167			

**Batch 2005058 - EPA 5030 Soil MS**

**Blank (2005058-BLK1)**

Prepared & Analyzed: 05/06/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0325		"	0.0400		81.2	23-173			
Surrogate: Toluene-d8	0.0432		"	0.0400		108	20-170			
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	21-167			

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2005058 - EPA 5030 Soil MS**

**LCS (2005058-BS1)**

Prepared & Analyzed: 05/06/20

Benzene	0.0730	0.0020	mg/kg	0.100		73.0	70-130
Toluene	0.0767	0.0050	"	0.100		76.7	70-130
Ethylbenzene	0.0913	0.0050	"	0.100		91.3	70-130
m,p-Xylene	0.175	0.010	"	0.200		87.6	70-130
o-Xylene	0.0899	0.0050	"	0.100		89.9	70-130
Surrogate: 1,2-Dichloroethane-d4	0.0306		"	0.0400		76.6	23-173
Surrogate: Toluene-d8	0.0402		"	0.0400		101	20-170
Surrogate: 4-Bromofluorobenzene	0.0382		"	0.0400		95.6	21-167

**Matrix Spike (2005058-MS1)**

Source: 2005048-01

Prepared & Analyzed: 05/06/20

Benzene	0.0737	0.0020	mg/kg	0.100	ND	73.7	70-130
Toluene	0.0771	0.0050	"	0.100	ND	77.1	70-130
Ethylbenzene	0.0950	0.0050	"	0.100	ND	95.0	70-130
m,p-Xylene	0.183	0.010	"	0.200	0.00375	89.5	70-130
o-Xylene	0.0921	0.0050	"	0.100	ND	92.1	70-130
Surrogate: 1,2-Dichloroethane-d4	0.0310		"	0.0400		77.4	23-173
Surrogate: Toluene-d8	0.0390		"	0.0400		97.4	20-170
Surrogate: 4-Bromofluorobenzene	0.0388		"	0.0400		97.0	21-167

**Matrix Spike Dup (2005058-MSD1)**

Source: 2005048-01

Prepared & Analyzed: 05/06/20

Benzene	0.0734	0.0020	mg/kg	0.100	ND	73.4	70-130	0.408	30
Toluene	0.0709	0.0050	"	0.100	ND	70.9	70-130	8.39	30
Ethylbenzene	0.0898	0.0050	"	0.100	ND	89.8	70-130	5.61	30
m,p-Xylene	0.173	0.010	"	0.200	0.00375	84.4	70-130	5.67	30
o-Xylene	0.0884	0.0050	"	0.100	ND	88.4	70-130	4.16	30
Surrogate: 1,2-Dichloroethane-d4	0.0294		"	0.0400		73.6	23-173		
Surrogate: Toluene-d8	0.0394		"	0.0400		98.6	20-170		
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.4	21-167		

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

## Volatile Organic Compounds by EPA Method 8260B - Quality Control

### Summit Scientific

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

#### Batch 2005090 - EPA 5030 Soil MS

##### Blank (2005090-BLK1)

Prepared & Analyzed: 05/07/20

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.010	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0372		"	0.0400		93.0	23-173			
Surrogate: Toluene-d8	0.0447		"	0.0400		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.3	21-167			

##### LCS (2005090-BS1)

Prepared & Analyzed: 05/07/20

Benzene	0.0724	0.0020	mg/kg	0.100		72.4	70-130			
Toluene	0.0753	0.0050	"	0.100		75.3	70-130			
Ethylbenzene	0.0940	0.0050	"	0.100		94.0	70-130			
m,p-Xylene	0.178	0.010	"	0.200		89.2	70-130			
o-Xylene	0.0904	0.0050	"	0.100		90.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0280		"	0.0400		70.1	23-173			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.7	21-167			

##### Matrix Spike (2005090-MS1)

Source: 2005067-01

Prepared & Analyzed: 05/07/20

Benzene	0.0778	0.0020	mg/kg	0.100	ND	77.8	70-130			
Toluene	0.0747	0.0050	"	0.100	ND	74.7	70-130			
Ethylbenzene	0.0855	0.0050	"	0.100	ND	85.5	70-130			
m,p-Xylene	0.162	0.010	"	0.200	ND	81.0	70-130			
o-Xylene	0.0849	0.0050	"	0.100	ND	84.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.0304		"	0.0400		76.0	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0372		"	0.0400		92.9	21-167			

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

**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 2005090 - EPA 5030 Soil MS**

Matrix Spike Dup (2005090-MSD1)		Source: 2005067-01			Prepared & Analyzed: 05/07/20					
Benzene	0.0702	0.0020	mg/kg	0.100	ND	70.2	70-130	10.3	30	
Toluene	0.0711	0.0050	"	0.100	ND	71.1	70-130	4.94	30	
Ethylbenzene	0.0876	0.0050	"	0.100	ND	87.6	70-130	2.39	30	
m,p-Xylene	0.168	0.010	"	0.200	ND	83.8	70-130	3.37	30	
o-Xylene	0.0867	0.0050	"	0.100	ND	86.7	70-130	2.13	30	
Surrogate: 1,2-Dichloroethane-d4	0.0306		"	0.0400		76.4	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0377		"	0.0400		94.3	21-167			

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2004297 - EPA 3550A**

**Blank (2004297-BLK1)**

Prepared: 04/23/20 Analyzed: 04/24/20

C10-C28 (DRO) ND 50 mg/kg

**LCS (2004297-BS1)**

Prepared: 04/23/20 Analyzed: 04/24/20

C10-C28 (DRO) 537 50 mg/kg 500 107 70-130

**Matrix Spike (2004297-MS1)**

**Source: 2004304-01**

Prepared: 04/23/20 Analyzed: 04/24/20

C10-C28 (DRO) 496 50 mg/kg 500 38.8 91.3 70-130

**Matrix Spike Dup (2004297-MSD1)**

**Source: 2004304-01**

Prepared: 04/23/20 Analyzed: 04/24/20

C10-C28 (DRO) 521 50 mg/kg 500 38.8 96.4 70-130 5.00 20

**Batch 2004320 - EPA 3550A**

**Blank (2004320-BLK1)**

Prepared & Analyzed: 04/24/20

C10-C28 (DRO) ND 50 mg/kg

**LCS (2004320-BS1)**

Prepared & Analyzed: 04/24/20

C10-C28 (DRO) 507 50 mg/kg 500 101 70-130

**Matrix Spike (2004320-MS1)**

**Source: 2004325-01**

Prepared & Analyzed: 04/24/20

C10-C28 (DRO) 531 50 mg/kg 500 38.9 98.4 70-130

**Matrix Spike Dup (2004320-MSD1)**

**Source: 2004325-01**

Prepared & Analyzed: 04/24/20

C10-C28 (DRO) 487 50 mg/kg 500 38.9 89.6 70-130 8.67 20

**Batch 2004332 - EPA 3550A**

**Blank (2004332-BLK1)**

Prepared & Analyzed: 04/27/20

C10-C28 (DRO) ND 50 mg/kg

Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2004332 - EPA 3550A**

**LCS (2004332-BS1)**

Prepared & Analyzed: 04/27/20

C10-C28 (DRO)	479	50	mg/kg	500	95.8	70-130
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**Matrix Spike (2004332-MS1)**

Source: 2004342-01

Prepared & Analyzed: 04/27/20

C10-C28 (DRO)	485	50	mg/kg	500	40.0	89.0	70-130
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**Matrix Spike Dup (2004332-MSD1)**

Source: 2004342-01

Prepared & Analyzed: 04/27/20

C10-C28 (DRO)	406	50	mg/kg	500	40.0	73.3	70-130	17.7	20
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**Batch 2004355 - EPA 3550A**

**Blank (2004355-BLK1)**

Prepared & Analyzed: 04/29/20

C10-C28 (DRO)	ND	50	mg/kg
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**LCS (2004355-BS1)**

Prepared & Analyzed: 04/29/20

C10-C28 (DRO)	390	50	mg/kg	500	78.1	70-130
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**Matrix Spike (2004355-MS1)**

Source: 2004364-01

Prepared & Analyzed: 04/29/20

C10-C28 (DRO)	398	50	mg/kg	500	44.0	70.9	70-130
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**Matrix Spike Dup (2004355-MSD1)**

Source: 2004364-01

Prepared & Analyzed: 04/29/20

C10-C28 (DRO)	397	50	mg/kg	500	44.0	70.5	70-130	0.392	20
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**Batch 2004374 - EPA 3550A**

**Blank (2004374-BLK1)**

Prepared & Analyzed: 04/30/20

C10-C28 (DRO)	ND	50	mg/kg
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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2004374 - EPA 3550A**

**LCS (2004374-BS1)**

Prepared & Analyzed: 04/30/20

C10-C28 (DRO)	383	50	mg/kg	500		76.6	70-130		
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**Matrix Spike (2004374-MS1)**

Source: 2004375-01

Prepared & Analyzed: 04/30/20

C10-C28 (DRO)	414	50	mg/kg	500	ND	82.9	70-130		
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**Matrix Spike Dup (2004374-MSD1)**

Source: 2004375-01

Prepared & Analyzed: 04/30/20

C10-C28 (DRO)	421	50	mg/kg	500	ND	84.2	70-130	1.54	20
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**Batch 2005019 - EPA 3550A**

**Blank (2005019-BLK1)**

Prepared & Analyzed: 05/01/20

C10-C28 (DRO)	ND	50	mg/kg						
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**LCS (2005019-BS1)**

Prepared & Analyzed: 05/01/20

C10-C28 (DRO)	382	50	mg/kg	500		76.4	70-130		
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**Matrix Spike (2005019-MS1)**

Source: 2005001-04

Prepared & Analyzed: 05/01/20

C10-C28 (DRO)	377	50	mg/kg	500	ND	75.5	70-130		
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**Matrix Spike Dup (2005019-MSD1)**

Source: 2005001-04

Prepared & Analyzed: 05/01/20

C10-C28 (DRO)	394	50	mg/kg	500	ND	78.7	70-130	4.20	20
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**Batch 2005025 - EPA 3550A**

**Blank (2005025-BLK1)**

Prepared & Analyzed: 05/04/20

C10-C28 (DRO)	ND	50	mg/kg						
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Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2005025 - EPA 3550A**

**LCS (2005025-BS1)**

Prepared & Analyzed: 05/04/20

C10-C28 (DRO)	414	50	mg/kg	500	82.8	70-130
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**Matrix Spike (2005025-MS1)**

Source: 2004407-01

Prepared & Analyzed: 05/04/20

C10-C28 (DRO)	395	50	mg/kg	500	41.0	70.8	70-130
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**Matrix Spike Dup (2005025-MSD1)**

Source: 2004407-01

Prepared & Analyzed: 05/04/20

C10-C28 (DRO)	397	50	mg/kg	500	41.0	71.1	70-130	0.378	20
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**Batch 2005039 - EPA 3550A**

**Blank (2005039-BLK1)**

Prepared & Analyzed: 05/05/20

C10-C28 (DRO)	ND	50	mg/kg
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**LCS (2005039-BS1)**

Prepared & Analyzed: 05/05/20

C10-C28 (DRO)	388	50	mg/kg	500	77.6	70-130
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**Matrix Spike (2005039-MS1)**

Source: 2005005-01

Prepared & Analyzed: 05/05/20

C10-C28 (DRO)	487	50	mg/kg	500	52.8	86.9	70-130
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**Matrix Spike Dup (2005039-MSD1)**

Source: 2005005-01

Prepared & Analyzed: 05/05/20

C10-C28 (DRO)	468	50	mg/kg	500	52.8	83.1	70-130	3.99	20
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**Batch 2005059 - EPA 3550A**

**Blank (2005059-BLK1)**

Prepared & Analyzed: 05/06/20

C10-C28 (DRO)	ND	50	mg/kg
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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.*



Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

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

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

**Batch 2005059 - EPA 3550A**

**LCS (2005059-BS1)**

Prepared & Analyzed: 05/06/20

C10-C28 (DRO)	484	50	mg/kg	500	96.8	70-130
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**Matrix Spike (2005059-MS1)**

**Source: 2005049-06**

Prepared & Analyzed: 05/06/20

C10-C28 (DRO)	417	50	mg/kg	500	47.2	74.1	70-130
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**Matrix Spike Dup (2005059-MSD1)**

**Source: 2005049-06**

Prepared & Analyzed: 05/06/20

C10-C28 (DRO)	420	50	mg/kg	500	47.2	74.5	70-130	0.516	20
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**Batch 2005091 - EPA 3550A**

**Blank (2005091-BLK1)**

Prepared & Analyzed: 05/07/20

C10-C28 (DRO)	ND	50	mg/kg
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**LCS (2005091-BS1)**

Prepared & Analyzed: 05/07/20

C10-C28 (DRO)	439	50	mg/kg	500	87.8	70-130
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**Matrix Spike (2005091-MS1)**

**Source: 2005067-01**

Prepared & Analyzed: 05/07/20

C10-C28 (DRO)	441	50	mg/kg	500	ND	88.3	70-130
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**Matrix Spike Dup (2005091-MSD1)**

**Source: 2005067-01**

Prepared & Analyzed: 05/07/20

C10-C28 (DRO)	402	50	mg/kg	500	ND	80.4	70-130	9.31	20
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Summit Scientific

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Remington Technologies  
2307 W 8th St  
Loveland CO, 80537

Project: Reeves 32-21

Project Number: [none]  
Project Manager: Tom Folley

**Reported:**  
07/07/20 11:12

### Notes and Definitions

S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
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