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Site Summary Report Razor 27I

March 22, 2018

Prepared By:

Talon/LPE
1811 E. Mulberry Street
Fort Collins, CO 80524

Prepared For:

Whiting Petroleum Corporation



March 22, 2018

Mr. Louie Espinoza
Whiting Petroleum Corporation
Redtail Gas Plant
56719 CR 127
New Raymer, CO 80742

**RE: Site Summary Report
Razor 27I Pad
NE ¼, SE ¼, Section 27, Township 10N, Range 58W
Weld County, Colorado**

Mr. Espinoza:

Talon/LPE (Talon) was retained by Whiting Petroleum (Whiting) to conduct environmental consulting services that included soil confirmation sampling at the Razor 27I tank battery (Site) in Weld County, Colorado. The purpose of this report is to document site activities including excavation, soil sampling, and proposed soil borings. Where impacts were discovered, Talon completed soil sampling at discrete depths to ensure that all impacted soils had been identified and documented per the Colorado Oil and Gas Conservation Commission (COGCC) regulations. A topographic map of the site location is presented as Figure 5 and a site map is presented as Figure 1.

Initial Site Activities

Whiting notified the COGCC on March 28, 2017, immediately following identification of the leak. Whiting submitted the required Form 19 electronically (Initial and Supplemental) to the COGCC on March 29, 2017, documenting applicable information at the time (Spill Report Documents 401245981 & 401251995). The Site is identified by the COGCC as Spill/Release Point ID 449810.

A crude oil release occurred sometime during the morning hours of March 28, 2017, due to a rupture in a poly line as a result of excess pressure caused by a closed valve and an automated recycle pump operation. The line was isolated and the pump was shut off immediately after the discovery to avoid additional leakage.

The source area was immediately excavated and the ruptured line was exposed.



Whiting personnel estimated that approximately 107 barrels (bbls) were released and approximately seven (7) bbls were recovered during emergency response activities.

Whiting contracted M&E to perform hydro-vacuum (hydro-vac) operations and excavating activities utilizing skid-steers, backhoes, and excavators, where needed. M&E began removing fluids from the ground surface and potholing on March 28, 2017. Hydro-vac trucks were utilized to excavate locations around the site. Vac-trucks were used to remove all standing fluids encountered onsite. 39 pothole locations were completed from March 28, 2017, through June 2, 2017, to depths of approximately six (6) to seven (7) feet below ground surface (bgs). Talon worked in conjunction with M&E and Whiting to determine the lateral and vertical extents of the hydrocarbon impacts to the soil based on visual observations, photoionization detector (PID) readings, and soil analytical data.

Talon conducted soil sampling events from select pothole locations to delineate the extent of the impacted soils. The confirmation soil samples were containerized in laboratory-provided sample containers, immediately placed on ice, and transported to Summit Scientific (Summit) in Golden, Colorado for analysis of Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) method EPA8260B and Diesel Range Organics (DRO) method 8015, and for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) via method EPA8260B.

Excavation

As part of Whiting's remediation plans for Razor 27I, the subsurface flowlines, tank batteries, and associated equipment near the source area were removed. Following the removal of infrastructure, excavation activities commenced, and impacted soils were stockpiled on site.

Excavation activities have proceeded based on visual and olfactory observations in the field as well as confirmation soil samples analyzed for BTEX and TPH at Summit. During excavation activities, a lithologic layer of highly fractured semi-consolidated silty sand was observed at approximately 10-15 feet bgs. This layer has served as a horizontal preferential flow pathway. Directly below this layer is a confining layer of hard siltstone, which has prevented the downward migration of the crude oil.

As of March 20, 2018, approximately 20,000 cubic yards have been excavated and stockpiled at the site. Confirmation soil samples collected within the excavated area



have shown the extent of impacts is horizontally and vertically delineated to the east, south, west, and northwest; further delineation is needed to the northeast. Figure 2 shows the soil sampling locations and Table 1 details all sample analytical results. Figure 3 displays soil sampling locations and analytical results for samples which are above COGCC Table 910-1 concentration levels. Figure 4 shows the soil sample locations which are below COGCC Table 910-1 concentrations and define the extent of impacts.

Rock Crushing

Whiting has contracted with Milestone Companies, LLC to crush the excavated rock to increase the surface area to aid in volatilization of the hydrocarbon impacts. A backhoe places excavated rock material into the rock crusher hopper where it is crushed and fed out on a conveyor belt into a stockpile. A second backhoe is then used to move the crushed rock stockpile to a staging area where Talon collects confirmation soil samples for laboratory analysis of BTEX and TPH at Summit. Preliminary analytical results have indicated BTEX and TPH concentrations of the crushed rock samples are below COGCC Table 910-1 concentration levels. However, further confirmation soil sampling will be required of any stockpiled material prior to using it for backfill in the excavation.

Soil Borings

Further excavation to the northeast of its current extent is prohibited due to the presence of underground high voltage power lines as well as a structure (Figure 1). Therefore, two soil borings will be installed to the north and northeast of the excavation to determine if impacts extend beyond these structures (Figure 1). The borings will be logged for lithology, PID readings, and hydrocarbon odors. The borings will be drilled with the intent of encountering the silty sand layer to observe if impacts have migrated horizontally beyond the infrastructure. It is anticipated that the borings will be drilled to a depth of approximately 20-25 feet bgs. Soil samples will be collected from the bottom of the borings as well as areas with elevated PID readings. The soil samples will be submitted to Summit for analysis of BTEX and TPH.

Based on COGCC Form 19 submitted by Whiting on April 7, 2017, groundwater is assumed to be at approximately 37' below ground surface (bgs). Based on the soil sample analytical results from the bottom of the excavation and the presence of a confining layer preventing downward migration of impacts, it is unlikely that



groundwater has been impacted from this release.

If you have any questions or comments, please do not hesitate to call me at (970) 818-5330.

Respectfully Submitted,

A handwritten signature in black ink that reads "Jennifer Galles".

Jennifer Galles
Project Manager
Talon/LPE

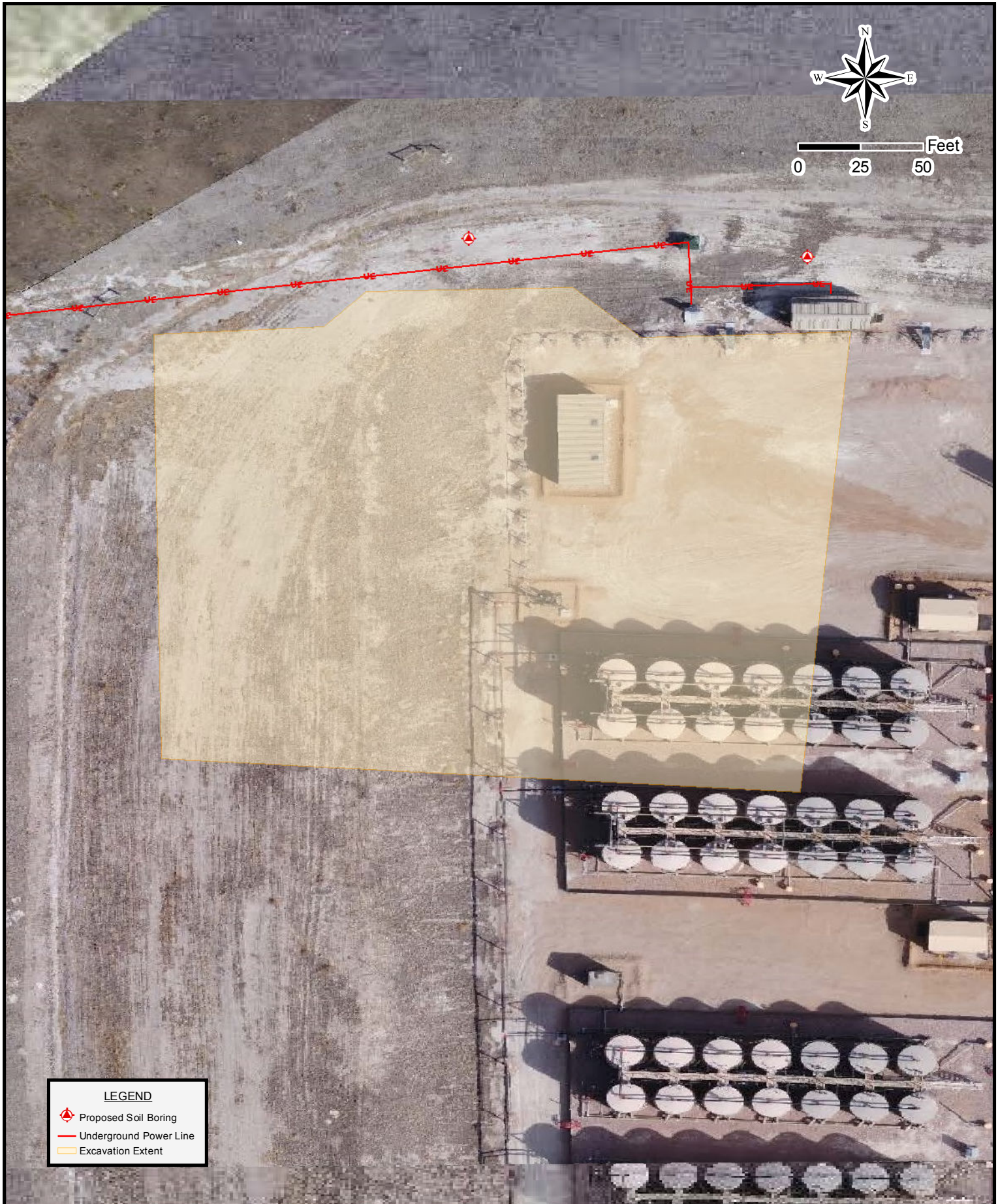
Enclosures:

Attachment 1 - Figures

Attachment 2 - Tables

Attachment 3 - Laboratory Analytical Reports

Attachment 1
Figures



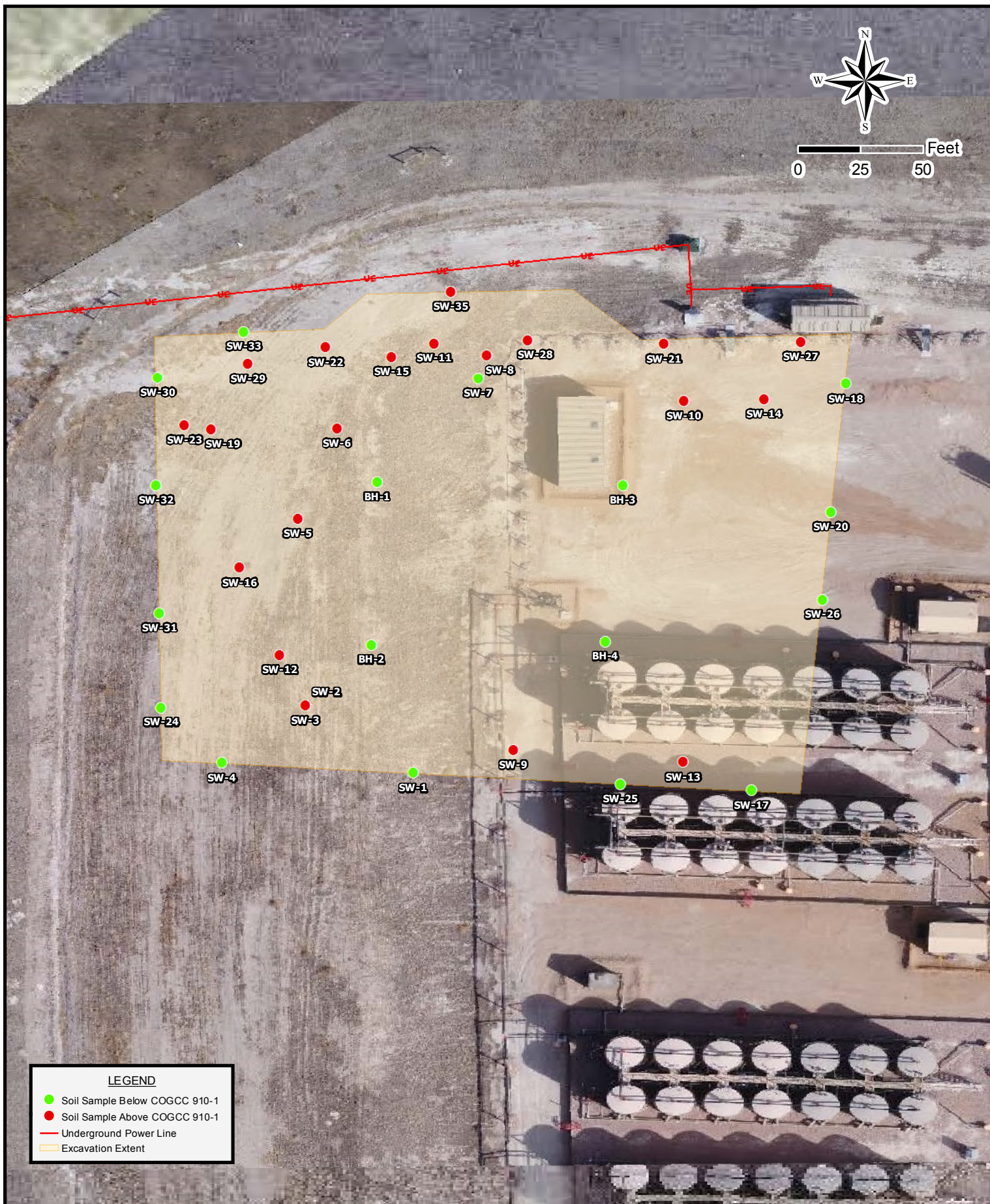
LEGEND

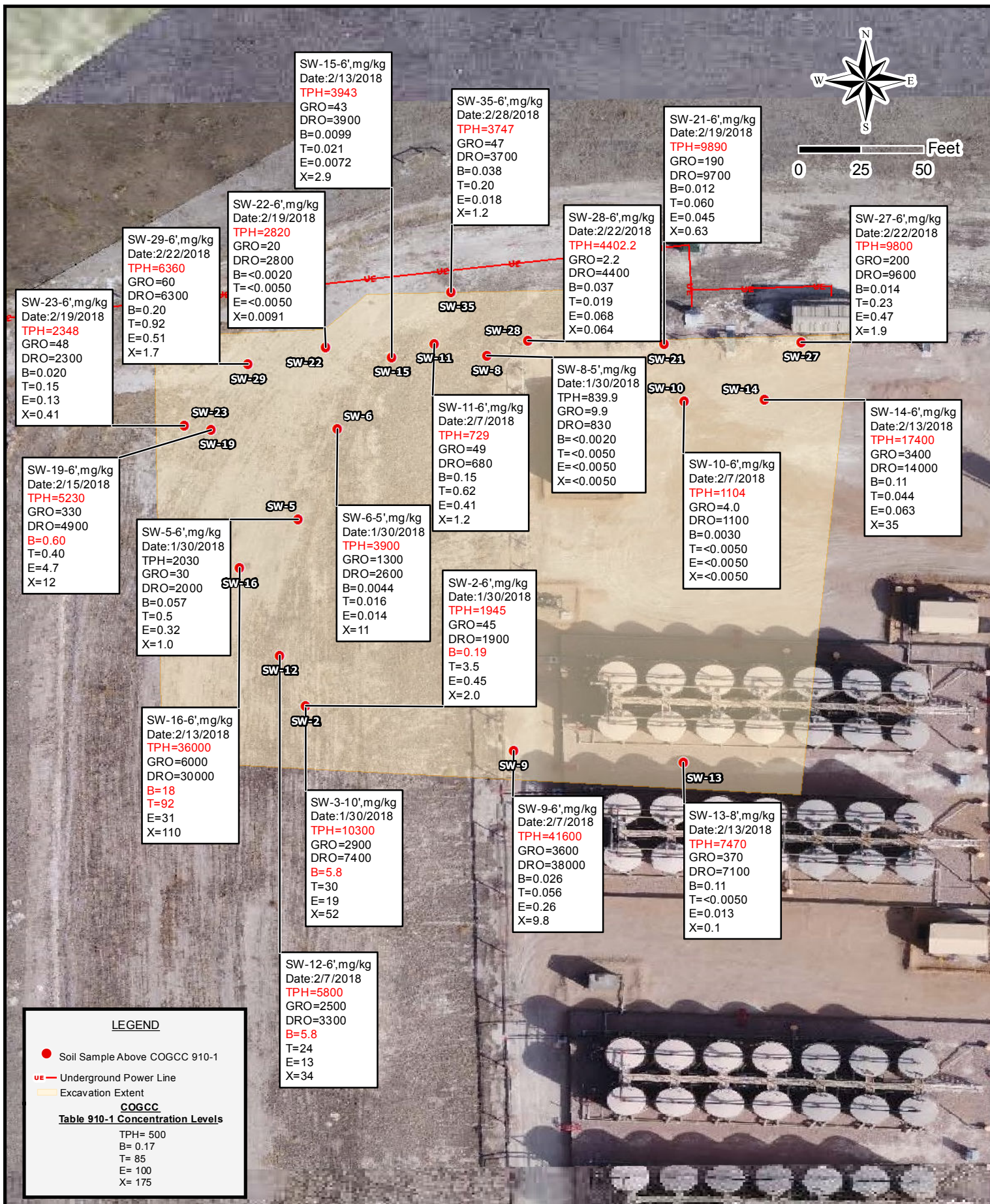
- Proposed Soil Boring
- Underground Power Line
- Excavation Extent



Drafted: 3/21/2018
1 in = 50 ft
Drafted By: IJM

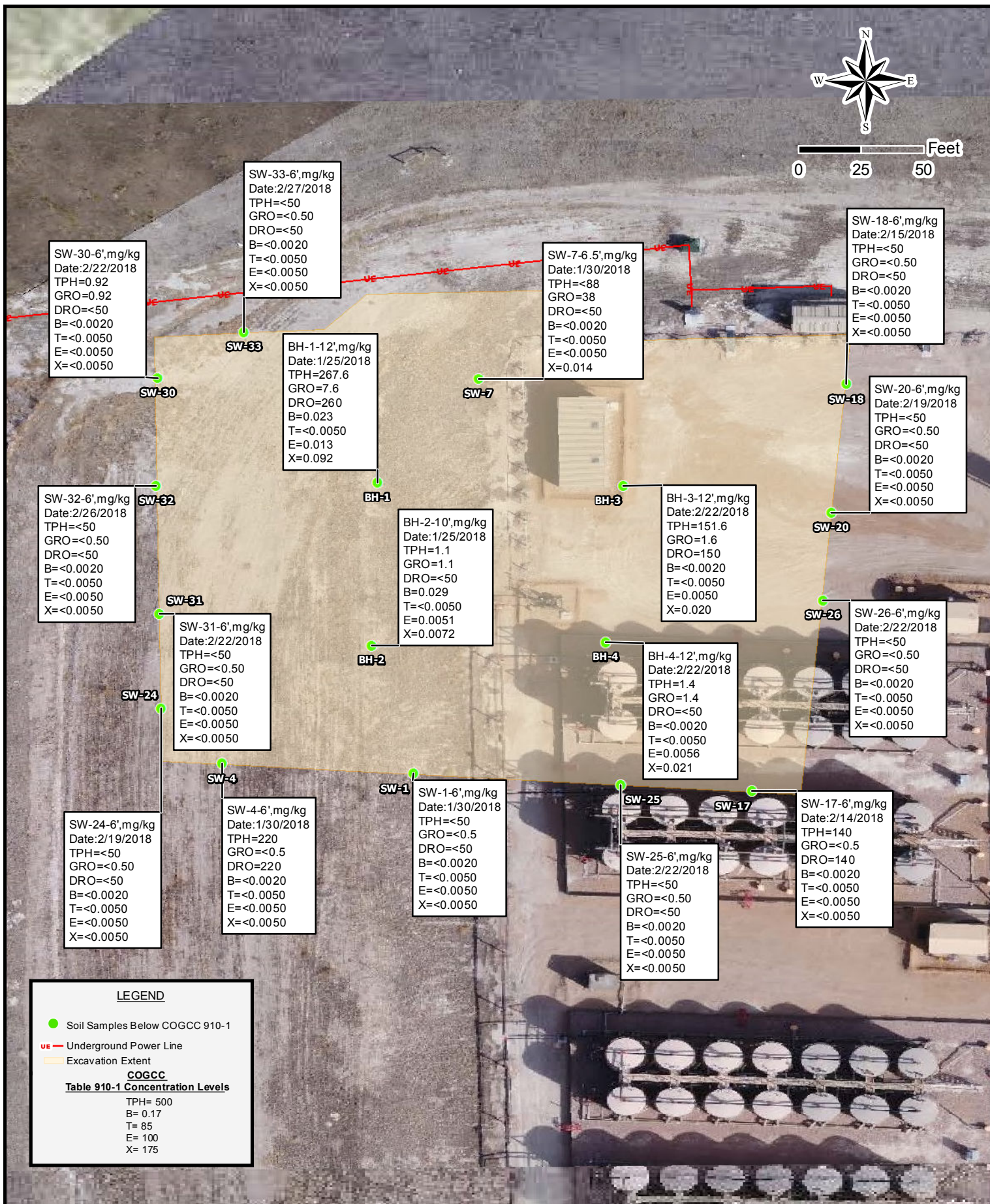
Whiting Oil and Gas Corporation
Razor 271
Weld County, CO
Figure 1 - Site Plan





Drafted: 3/21/2018
 1 in = 50 ft
 Drafted By: IJM

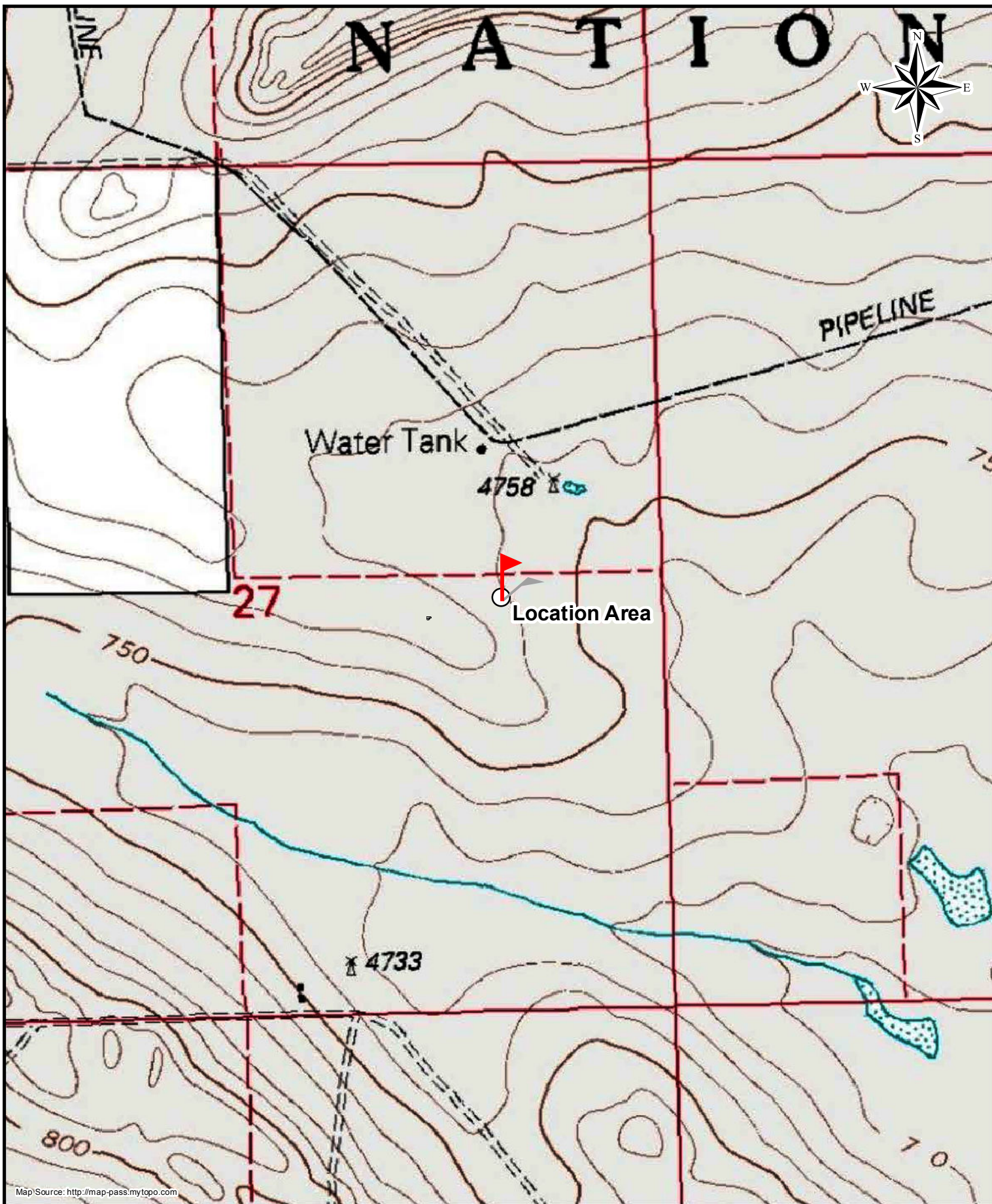
Whiting Oil and Gas Corporation
 Razor 271
 Weld County, CO
Figure 3 - Soil Sample Above COGCC 910-1



Drafted: 3/21/2018
1 in = 50 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Razor 271
Weld County, CO

Figure 4 - Soil Sample Below COGCC 910-1



Drafted: 3/22/2018
1 in = 833 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Razor 271
Weld County, CO
Figure 5 - Topographic Map

Attachment 2 Tables



Table 1 - Soil Analytical Data

**Whiting Oil & Gas Corporation
Razor 27I
Weld County, Colorado**

Sample ID	Depth BGS in Feet	Date Sampled	Concentration (mg/kg)						
			Benzene	Toluene	Ethylbenzene	Xylenes (Total)	GRO	DRO	TPH
COGCC Table 910-1 Concentration Levels			0.17	85	100	175	NA	NA	500
BH-1	12	1/25/2018	0.023	<0.0050	0.013	0.092	7.6	260	267.6
BH-2	10	1/25/2018	0.029	<0.0050	0.0051	0.0072	1.1	<50	1.1
BH-3	12	2/22/2018	<0.0020	<0.0050	0.0050	0.020	1.6	150	151.6
BH-4	12	2/22/2018	<0.0020	<0.0050	0.0056	0.021	1.4	<50	1.4
SW-1	6	1/30/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	<50	<50
SW-2	6	1/30/2018	0.19	3.5	0.45	2.0	45	1900	1945
SW-3	10	1/30/2018	5.8	30	19	52	2900	7400	10300
SW-4	6	1/30/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	220	220
SW-5	6	1/30/2018	0.057	0.5	0.32	1.0	30	2000	2030
SW-6	5	1/30/2018	0.0044	0.016	0.014	11	1300	2600	3900
SW-7	6.5	1/30/2018	<0.0020	<0.0050	<0.0050	0.014	38	<50	<88
SW-8	5	1/30/2018	<0.0020	<0.0050	<0.0050	<0.0050	9.9	830	839.9
SW-9	6	2/7/2018	0.026	0.056	0.26	9.8	3600	38000	41600
SW-10	6	2/7/2018	0.0030	<0.0050	<0.0050	<0.0050	4.0	1100	1104
SW-11	6	2/7/2018	0.15	0.62	0.41	1.2	49	680	729
SW-12	6	2/7/2018	5.8	24	13	34	2500	3300	5800
SW-13	8	2/13/2018	0.11	<0.0050	0.013	0.1	370	7100	7470
SW-14	6	2/13/2018	0.11	0.044	0.063	35	3400	14000	17400
SW-15	6	2/13/2018	0.0099	0.021	0.0072	2.9	43	3900	3943
SW-16	6	2/13/2018	18	92	31	110	6000	30000	36000
SW-17	6	2/14/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.5	140	140
SW-18	6	2/15/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-19	6	2/15/2018	0.60	0.40	4.7	12	330	4900	5230
SW-20	6	2/19/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-21	6	2/19/2018	0.012	0.060	0.045	0.63	190	9700	9890
SW-22	6	2/19/2018	<0.0020	<0.0050	<0.0050	0.0091	20	2800	2820
SW-23	6	2/19/2018	0.020	0.15	0.13	0.41	48	2300	2348
SW-24	6	2/19/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-25	6	2/22/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-26	6	2/22/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-27	6	2/22/2018	0.014	0.23	0.47	1.9	200	9600	9800
SW-28	6	2/22/2018	0.037	0.019	0.068	0.064	2.2	4400	4402.2



Table 1 - Soil Analytical Data

**Whiting Oil & Gas Corporation
Razor 271
Weld County, Colorado**

Sample ID	Depth BGS in Feet	Date Sampled	Concentration (mg/kg)						
			Benzene	Toluene	Ethylbenzene	Xylenes (Total)	GRO	DRO	TPH
COGCC Table 910-1 Concentration Levels			0.17	85	100	175	NA	NA	500
SW-29	6	2/22/2018	0.20	0.92	0.51	1.7	60	6300	6360
SW-30	6	2/22/2018	<0.0020	<0.0050	<0.0050	<0.0050	0.92	<50	0.92
SW-31	6	2/22/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-32	6	2/26/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-33	6	2/27/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-34	6	2/28/2018	<0.0020	<0.0050	<0.0050	<0.0050	<0.50	<50	<50
SW-35	8	3/9/2018	0.038	0.20	0.018	1.2	47	3700	3747
SW-36	8	3/15/2018	0.0064	0.024	0.0098	0.23	24	270	294

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

GRO - Gasoline Range Organics

DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)

BGS - Below Ground Surface

Attachment 3
Analytical Reports

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

January 26, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 01/25/18 14:40. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH-1@12'	1801275-01	Soil	01/25/18 11:00	01/25/18 14:40
BH-2@12'	1801275-02	Soil	01/25/18 11:05	01/25/18 14:40

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.

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

Sample Receipt Checklist

S2 Work Order: 180/275

Client: Talon/LPE

Client Project ID: Razor 27I

Shipped Via: Hand

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

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

Cooler ID					
Temp (°C)	18.6				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C? 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?	✓			
Was adequate sample volume provided?	✓			
If custody seals are present, are they intact?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely?	✓			
Does the COC agree with the number and type of sample bottles received?	✓			
Do the sample IDs on the bottle labels match the COC?	✓			
Is the COC properly relinquished by the client w/ date and time recorded?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			✓	
Are samples preserved that require preservation (excluding cooling)? 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? Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
<p>⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.</p>				

Custodian Printed Name

Signature or Initials of Custodian

Date/Time

1/25/18 1545

Summit Scientific

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

1801275

Page 1 of 1

Client:	Talon/LPE - Bill Whiting	
Address:	1811 East Mulberry	
City/State/Zip:	Fort Collins, CO 80525	
Phone:	970-818-5330	Fax:
Sampler Name:	Jason Levertton	

Project Manager:	Colby Sterling
E-Mail:	csterling@talonlpe.com
Project Name:	Razor 27I
Project Number:	701530.054.04

				Preservative				Matrix				Analyze For:											
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO							Special Instructions			
BH-1 @ 12'	1/25/2018	1100	1			x			x			x	x										
BH-2 @ 12'	1/25/2018	1105	1			x			x			x	x										
Relinquished by: [Signature] Date/Time: 1/25/18 14:40				Received by: [Signature] Date/Time: 1/25/18 14:40				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: [Signature] Date/Time:				Received by: Date/Time:				Sample Integrity: Temperature Upon Receipt: 18.6°C Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															
Relinquished by: Date/Time:				Received in Lab by: Date/Time:																			



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

BH-1@12'
1801275-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/25/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	260	50	mg/kg	1	1801275	01/25/18	01/26/18	8015M	

Date Sampled: **01/25/18 11:00**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.023	0.0020	mg/kg	1	1801274	01/25/18	01/25/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.013	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.092	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	7.6	0.50	"	"	"	"	"	"	

Date Sampled: **01/25/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.3 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.6 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.9 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

BH-2@12'
1801275-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/25/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1801275	01/25/18	01/26/18	8015M	

Date Sampled: **01/25/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		122 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/25/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.029	0.0020	mg/kg	1	1801274	01/25/18	01/25/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0051	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.0072	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.1	0.50	"	"	"	"	"	"	

Date Sampled: **01/25/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		97.8 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

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 1801275 - EPA 3550A

Blank (1801275-BLK1)

Prepared: 01/25/18 Analyzed: 01/26/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 15.7 " 12.5 125 30-150

LCS (1801275-BS1)

Prepared: 01/25/18 Analyzed: 01/26/18

C10-C28 (DRO) 538 50 mg/kg 499 108 73-134

Surrogate: o-Terphenyl 18.7 " 12.5 150 30-150

Matrix Spike (1801275-MS1)

Source: 1801276-01

Prepared: 01/25/18 Analyzed: 01/26/18

C10-C28 (DRO) 568 50 mg/kg 499 78.8 98.0 50-148

Surrogate: o-Terphenyl 15.1 " 12.5 121 30-150

Matrix Spike Dup (1801275-MSD1)

Source: 1801276-01

Prepared: 01/25/18 Analyzed: 01/26/18

C10-C28 (DRO) 556 50 mg/kg 499 78.8 95.6 50-148 2.18 20

Surrogate: o-Terphenyl 17.7 " 12.5 142 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

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 1801274 - EPA 5030 Soil MS

Blank (1801274-BLK1)

Prepared: 01/25/18 Analyzed: 01/26/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0398		"	0.0400		99.5	23-173			
Surrogate: Toluene-d8	0.0389		"	0.0400		97.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0400		103	21-167			

LCS (1801274-BS1)

Prepared: 01/25/18 Analyzed: 01/26/18

Benzene	0.113	0.0020	mg/kg	0.100		113	58-130			
Toluene	0.118	0.0050	"	0.100		118	61-134			
Ethylbenzene	0.129	0.0050	"	0.0992		130	74-139			
m,p-Xylene	0.251	0.010	"	0.200		126	73-137			
o-Xylene	0.120	0.0050	"	0.0980		123	73-141			
Xylenes (total)	0.371	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.04	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0412		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		102	21-167			

Matrix Spike (1801274-MS1)

Source: 1801276-01

Prepared: 01/25/18 Analyzed: 01/26/18

Benzene	0.113	0.0020	mg/kg	0.100	ND	113	30-131			
Toluene	0.119	0.0050	"	0.100	ND	119	30-134			
Ethylbenzene	0.130	0.0050	"	0.0992	ND	131	22-153			
m,p-Xylene	0.256	0.010	"	0.200	0.0114	123	10-159			
o-Xylene	0.123	0.0050	"	0.0980	ND	125	31-151			
Xylenes (total)	0.379	0.0050	"		0.0114		30-150			
Gasoline Range Hydrocarbons	3.13	0.50	"		13.5		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

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 1801274 - EPA 5030 Soil MS

Matrix Spike Dup (1801274-MSD1)	Source: 1801276-01			Prepared: 01/25/18 Analyzed: 01/26/18						
Benzene	0.114	0.0020	mg/kg	0.100	ND	114	30-131	0.816	34	
Toluene	0.119	0.0050	"	0.100	ND	119	30-134	0.0251	30	
Ethylbenzene	0.133	0.0050	"	0.0992	ND	135	22-153	2.43	24	
m,p-Xylene	0.261	0.010	"	0.200	0.0114	125	10-159	1.77	68	
o-Xylene	0.124	0.0050	"	0.0980	ND	127	31-151	1.31	38	
Xylenes (total)	0.385	0.0050	"		0.0114		30-150	1.62	20	
Gasoline Range Hydrocarbons	3.13	0.50	"		13.5		30-150	0.280	20	
Surrogate: 1,2-Dichloroethane-d4	0.0432		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.04
Project Manager: Colby Sterling

Reported:
01/26/18 06:31

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 14, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/13/18 15:30. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-13@8'	1802122-01	Soil	02/13/18 12:30	02/13/18 15:30
SW-14@6'	1802122-02	Soil	02/13/18 12:35	02/13/18 15:30
SW-15@6'	1802122-03	Soil	02/13/18 12:40	02/13/18 15:30
SW-16@6'	1802122-04	Soil	02/13/18 12:45	02/13/18 15:30

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

Summit Scientific

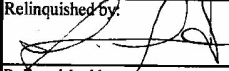
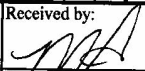
741 Corporate Circle Suite I ♦ Golden, Colorado 80401 1702102
303-277-9310 ♦ 303-374-5933 Fax

1762180

Page 1 of 1

Client:	Talon/LPE - Bill Whiting
Address:	1811 East Mulberry
City/State/Zip:	Fort Collins, CO 80525
Phone:	970-818-5330
Fax:	
Sampler Name:	Jason Leverton

Project Manager: Colby Sterling
E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com
Project Name: Razor 271
Project Number: 701530.054.03

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:								Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO							
SW-13 @ 8'	2/18/2018	1230	1		X			X			X	X								
SW-14 @ 6'	2/18/2018	1235	1		X			X			X	X								
SW-15 @ 6'	2/18/2018	1240	1		X			X			X	X								
SW-16 @ 6'	2/18/2018	1245	1		X			X			X	X								
Relinquished by: 	Date/Time: 2.13.18 5:30	Received by: 	Date/Time: 2/13/18 1530	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:																	
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: 23.2°C Intact: Yes <input checked="" type="radio"/> No <input type="radio"/>																

www.s2scientific.com

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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

Sample Receipt Checklist

S2 Work Order: 1702102

Client: Talon/LPE

Client Project ID: Razor 27I

Shipped Via: PU

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

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

Cooler ID					
Temp (°C)	<u>23.2</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?		<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
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 ⁽¹⁾ ? 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):				

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

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

2/13/18 1700
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

SW-13@8'
1802122-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	7100	50	mg/kg	1	1802135	02/13/18	02/14/18	8015M	

Date Sampled: **02/13/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		676 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.11	0.0020	mg/kg	1	1802134	"	02/14/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	02/14/18	"	
Ethylbenzene	0.013	0.0050	"	"	"	"	02/14/18	"	
Xylenes (total)	0.10	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	370	50	"	100	"	"	02/14/18	"	

Date Sampled: **02/13/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.4 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		113 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

SW-14@6'
1802122-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	14000	50	mg/kg	1	1802135	02/13/18	02/14/18	8015M	

Date Sampled: **02/13/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		959 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.11	0.0020	mg/kg	1	1802134	"	02/14/18	EPA 8260B	
Toluene	0.044	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.063	0.0050	"	"	"	"	"	"	
Xylenes (total)	35	0.50	"	100	"	"	02/14/18	"	
Gasoline Range Hydrocarbons	3400	50	"	"	"	"	"	"	

Date Sampled: **02/13/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		176 %	23-173		"	"	02/14/18	"	S-02
<i>Surrogate: Toluene-d8</i>		84.2 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		352 %	21-167		"	"	"	"	S-02

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

SW-15@6'
1802122-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	3900	50	mg/kg	1	1802135	02/13/18	02/14/18	8015M	

Date Sampled: **02/13/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		469 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.0099	0.0020	mg/kg	1	1802134	"	02/14/18	EPA 8260B	
Toluene	0.021	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0072	0.0050	"	"	"	"	"	"	
Xylenes (total)	2.9	0.50	"	100	"	"	02/14/18	"	
Gasoline Range Hydrocarbons	43	0.50	"	1	"	"	02/14/18	"	

Date Sampled: **02/13/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.5 %	23-173		"	"	02/14/18	"	
Surrogate: Toluene-d8		86.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		124 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

SW-16@6'
1802122-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/13/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	30000	500	mg/kg	10	1802135	02/13/18	02/14/18	8015M	

Date Sampled: **02/13/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		2090 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/13/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	18	0.20	mg/kg	100	1802134	"	02/14/18	EPA 8260B	
Toluene	92	0.50	"	"	"	"	"	"	
Ethylbenzene	31	0.50	"	"	"	"	"	"	
Xylenes (total)	110	0.50	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	6000	50	"	"	"	"	"	"	

Date Sampled: **02/13/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		330 %	23-173		"	"	02/14/18	"	S-02
Surrogate: Toluene-d8		79.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		562 %	21-167		"	"	"	"	S-02

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

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 1802135 - EPA 3550A

Blank (1802135-BLK1)

Prepared: 02/13/18 Analyzed: 02/14/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.4 " 12.5 99.0 30-150

LCS (1802135-BS1)

Prepared: 02/13/18 Analyzed: 02/14/18

C10-C28 (DRO) 569 50 mg/kg 499 114 73-134

Surrogate: o-Terphenyl 13.9 " 12.5 111 30-150

Matrix Spike (1802135-MS1)

Source: 1802120-01

Prepared: 02/13/18 Analyzed: 02/14/18

C10-C28 (DRO) 616 50 mg/kg 499 11.0 121 50-148

Surrogate: o-Terphenyl 15.3 " 12.5 123 30-150

Matrix Spike Dup (1802135-MSD1)

Source: 1802120-01

Prepared: 02/13/18 Analyzed: 02/14/18

C10-C28 (DRO) 557 50 mg/kg 499 11.0 109 50-148 10.0 20

Surrogate: o-Terphenyl 11.8 " 12.5 94.2 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

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 1802134 - EPA 5030 Soil MS

Blank (1802134-BLK1)

Prepared: 02/13/18 Analyzed: 02/14/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0417		"	0.0400		104	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	21-167			

LCS (1802134-BS1)

Prepared: 02/13/18 Analyzed: 02/14/18

Benzene	0.110	0.0020	mg/kg	0.100		110	58-130			
Toluene	0.115	0.0050	"	0.100		115	61-134			
Ethylbenzene	0.129	0.0050	"	0.0992		131	74-139			
m,p-Xylene	0.251	0.010	"	0.200		126	73-137			
o-Xylene	0.122	0.0050	"	0.0980		124	73-141			
Xylenes (total)	0.373	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.02	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0413		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

Matrix Spike (1802134-MS1)

Source: 1802120-01

Prepared: 02/13/18 Analyzed: 02/14/18

Benzene	0.115	0.0020	mg/kg	0.100	ND	115	30-131			
Toluene	0.146	0.0050	"	0.100	0.0370	109	30-134			
Ethylbenzene	0.138	0.0050	"	0.0992	0.00684	132	22-153			
m,p-Xylene	0.325	0.010	"	0.200	0.121	102	10-159			
o-Xylene	0.142	0.0050	"	0.0980	0.0280	116	31-151			
Xylenes (total)	0.468	0.0050	"		0.149		30-150			
Gasoline Range Hydrocarbons	3.79	0.50	"		1.79		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0433		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0411		"	0.0400		103	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

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 1802134 - EPA 5030 Soil MS

Matrix Spike Dup (1802134-MSD1)	Source: 1802120-01			Prepared: 02/13/18 Analyzed: 02/14/18						
Benzene	0.115	0.0020	mg/kg	0.100	ND	115	30-131	0.105	34	
Toluene	0.135	0.0050	"	0.100	0.0370	98.1	30-134	8.01	30	
Ethylbenzene	0.140	0.0050	"	0.0992	0.00684	134	22-153	1.34	24	
m,p-Xylene	0.314	0.010	"	0.200	0.121	96.9	10-159	3.46	68	
o-Xylene	0.141	0.0050	"	0.0980	0.0280	116	31-151	0.444	38	
Xylenes (total)	0.456	0.0050	"		0.149		30-150	2.53	20	
Gasoline Range Hydrocarbons	3.71	0.50	"		1.79		30-150	2.26	20	
Surrogate: 1,2-Dichloroethane-d4	0.0440		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0418		"	0.0400		104	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/14/18 14:49

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 18, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/15/18 15:45. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-18@6'	1802164-01	Soil	02/15/18 12:30	02/15/18 15:45
SW-19@6'	1802164-02	Soil	02/15/18 12:35	02/15/18 15:45

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.

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

1802164

Summit Scientific

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

Page 1 of 1

Client: Talon/LPE - Bill to Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80524

Phone: 970-818-5330 Fax:

Sampler Name: Jason Leverton

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jgalles@talonlpe.com

Project Name: Razor 27I

Project Number: 701530.054.03

[illegible]

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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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

1802164

Sample Receipt Checklist

S2 Work Order: _____
Client: Talon/LPE Client Project ID: Razor 27I
Shipped Via: PU Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Cooler ID					
Temp (°C)	19.3				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?		✓		
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 ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			✓	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			✓	
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 ⁽¹⁾ ?			✓	
Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

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

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

2/15/18 1630
Date/Time

[Signature]



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

SW-18@6'
1802164-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/15/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802180	02/15/18	02/16/18	8015M	

Date Sampled: **02/15/18 12:30**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/15/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802179	02/15/18	02/16/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/15/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		104 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

SW-19@6'
1802164-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/15/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	4900	50	mg/kg	1	1802180	02/15/18	02/16/18	8015M	

Date Sampled: **02/15/18 12:35**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/15/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.60	0.020	mg/kg	10	1802179	02/15/18	02/16/18	EPA 8260B	
Toluene	0.40	0.050	"	"	"	"	"	"	
Ethylbenzene	4.7	0.050	"	"	"	"	"	"	
Xylenes (total)	12	0.050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	330	5.0	"	"	"	"	"	"	

Date Sampled: **02/15/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

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 1802180 - EPA 3550A

Blank (1802180-BLK1)

Prepared: 02/15/18 Analyzed: 02/16/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 13.3 " 12.5 106 30-150

LCS (1802180-BS1)

Prepared: 02/15/18 Analyzed: 02/16/18

C10-C28 (DRO) 597 50 mg/kg 499 120 73-134

Surrogate: o-Terphenyl 14.0 " 12.5 112 30-150

Matrix Spike (1802180-MS1)

Source: 1802160-01

Prepared: 02/15/18 Analyzed: 02/16/18

C10-C28 (DRO) 733 50 mg/kg 499 11.3 145 50-148

Surrogate: o-Terphenyl 13.5 " 12.5 108 30-150

Matrix Spike Dup (1802180-MSD1)

Source: 1802160-01

Prepared: 02/15/18 Analyzed: 02/16/18

C10-C28 (DRO) 658 50 mg/kg 499 11.3 130 50-148 10.8 20

Surrogate: o-Terphenyl 17.6 " 12.5 141 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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

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 1802179 - EPA 5030 Soil MS

Blank (1802179-BLK1)

Prepared: 02/15/18 Analyzed: 02/16/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0411		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	21-167			

LCS (1802179-BS1)

Prepared: 02/15/18 Analyzed: 02/16/18

Benzene	0.105	0.0020	mg/kg	0.100		105	58-130			
Toluene	0.111	0.0050	"	0.100		111	61-134			
Ethylbenzene	0.123	0.0050	"	0.0992		124	74-139			
m,p-Xylene	0.240	0.010	"	0.200		120	73-137			
o-Xylene	0.116	0.0050	"	0.0980		119	73-141			
Xylenes (total)	0.357	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.83	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0407		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0404		"	0.0400		101	21-167			

Matrix Spike (1802179-MS1)

Source: 1802160-01

Prepared: 02/15/18 Analyzed: 02/16/18

Benzene	0.112	0.0020	mg/kg	0.100	ND	112	30-131			
Toluene	0.119	0.0050	"	0.100	ND	119	30-134			
Ethylbenzene	0.135	0.0050	"	0.0992	ND	136	22-153			
m,p-Xylene	0.268	0.010	"	0.200	0.00813	130	10-159			
o-Xylene	0.127	0.0050	"	0.0980	ND	129	31-151			
Xylenes (total)	0.395	0.0050	"		0.00813		30-150			
Gasoline Range Hydrocarbons	3.40	0.50	"		0.541		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0432		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0406		"	0.0400		101	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

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 1802179 - EPA 5030 Soil MS

Matrix Spike Dup (1802179-MSD1)	Source: 1802160-01			Prepared: 02/15/18 Analyzed: 02/16/18						
Benzene	0.114	0.0020	mg/kg	0.100	ND	114	30-131	1.46	34	
Toluene	0.120	0.0050	"	0.100	ND	120	30-134	0.653	30	
Ethylbenzene	0.136	0.0050	"	0.0992	ND	138	22-153	1.26	24	
m,p-Xylene	0.271	0.010	"	0.200	0.00813	132	10-159	1.18	68	
o-Xylene	0.128	0.0050	"	0.0980	ND	131	31-151	1.18	38	
Xylenes (total)	0.399	0.0050	"		0.00813		30-150	1.18	20	
Gasoline Range Hydrocarbons	3.42	0.50	"		0.541		30-150	0.581	20	
Surrogate: 1,2-Dichloroethane-d4	0.0440		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0402		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0417		"	0.0400		104	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 23, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/23/18 15:45. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-25@6'	1802230-01	Soil	02/22/18 12:15	02/23/18 15:45
SW-26@6'	1802230-02	Soil	02/22/18 12:20	02/23/18 15:45
SW-27@6'	1802230-03	Soil	02/22/18 12:25	02/23/18 15:45
SW-28@6'	1802230-04	Soil	02/22/18 12:30	02/23/18 15:45
SW-29@6'	1802230-05	Soil	02/22/18 12:35	02/23/18 15:45
SW-30@6'	1802230-06	Soil	02/22/18 12:40	02/23/18 15:45
SW-31@6'	1802230-07	Soil	02/22/18 12:45	02/23/18 15:45
BH-3@12'	1802230-08	Soil	02/22/18 12:50	02/23/18 15:45
BH-4@12'	1802230-09	Soil	02/22/18 12:55	02/23/18 15:45

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.

Summit Scientific

741 Corporate Circle Suite 1 • Golden, Colorado 80401
303-277-9310 • 303-374-5933 Fax

1802230

Page 1 of 1

Client: Talon/LPE - Bill Whiting
Address: 1811 East Mulberry
City/State/Zip: Fort Collins, CO 80525
Phone: 970-818-5330 Fax:
Sampler Name: Jason Leverton

Project Manager:	Colby Sterling
E-Mail:	csterling@talonlpe.com and jleverton@talonlpe.com
Project Name:	Razor 271
Project Number:	701530.054.03

Sample Description				Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:										Special Instructions																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
							HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

Sample Receipt Checklist

S2 Work Order: 1802230

Client: Talon/LPE

Client Project ID: Razor 27E

Shipped Via: P/U

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

Matrix (check all that apply): Air ✓ Soil/Solid Water Other: _____
(Describe)

Cooler ID					
Temp (°C)	<u>19.1</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ? 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 ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			✓	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? 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 ⁽¹⁾ ? Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any): 				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

2/22/18 1645
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-25@6'
1802230-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802228	02/22/18	02/22/18	8015M	

Date Sampled: **02/22/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		92.1 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-26@6'
1802230-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802228	02/22/18	02/22/18	8015M	

Date Sampled: **02/22/18 12:20**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-27@6'
1802230-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	9600	50	mg/kg	1	1802228	02/22/18	02/22/18	8015M	

Date Sampled: **02/22/18 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		178 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.014	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	0.23	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.47	0.0050	"	"	"	"	"	"	
Xylenes (total)	1.9	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	200	5.0	"	10	"	"	"	"	

Date Sampled: **02/22/18 12:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.6 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		235 %	21-167		"	"	"	"	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-28@6'
1802230-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	4400	50	mg/kg	1	1802228	02/22/18	02/23/18	8015M	

Date Sampled: **02/22/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		80.7 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.037	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	0.019	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.068	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.064	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2.2	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		3680 %	23-173		"	"	"	"	S-02
<i>Surrogate: Toluene-d8</i>		128 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		59800 %	21-167		"	"	"	"	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-29@6'
1802230-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	6300	50	mg/kg	1	1802228	02/22/18	02/23/18	8015M	

Date Sampled: **02/22/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		130 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.20	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	0.92	0.050	"	10	"	"	"	"	
Ethylbenzene	0.51	0.0050	"	1	"	"	"	"	
Xylenes (total)	1.7	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	60	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		135 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-30@6'
1802230-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802228	02/22/18	02/23/18	8015M	

Date Sampled: **02/22/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		118 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	0.92	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.7 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

SW-31@6'
1802230-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802228	02/22/18	02/23/18	8015M	

Date Sampled: **02/22/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		89.6 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.6 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

BH-3@12'
1802230-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	150	50	mg/kg	1	1802228	02/22/18	02/23/18	8015M	

Date Sampled: **02/22/18 12:50**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0050	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.020	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.6	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		100 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

BH-4@12'
1802230-09 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/22/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802228	02/22/18	02/23/18	8015M	

Date Sampled: **02/22/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		116 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/22/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802227	02/22/18	02/23/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0056	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.021	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	1.4	0.50	"	"	"	"	"	"	

Date Sampled: **02/22/18 12:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

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 1802228 - EPA 3550A

Blank (1802228-BLK1)

Prepared & Analyzed: 02/22/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 13.5 " 12.5 108 30-150

LCS (1802228-BS1)

Prepared & Analyzed: 02/22/18

C10-C28 (DRO) 508 50 mg/kg 499 102 73-134

Surrogate: o-Terphenyl 13.3 " 12.5 107 30-150

Matrix Spike Dup (1802228-MSD1)

Source: 1802229-01

Prepared & Analyzed: 02/22/18

C10-C28 (DRO) 490 50 mg/kg 499 ND 98.1 50-148 20

Surrogate: o-Terphenyl 13.0 " 12.5 104 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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

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 1802227 - EPA 5030 Soil MS

Blank (1802227-BLK1)

Prepared & Analyzed: 02/22/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0402		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0386		"	0.0400		96.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0397		"	0.0400		99.2	21-167			

LCS (1802227-BS1)

Prepared & Analyzed: 02/22/18

Benzene	0.100	0.0020	mg/kg	0.100		100	58-130			
Toluene	0.104	0.0050	"	0.100		104	61-134			
Ethylbenzene	0.116	0.0050	"	0.0992		117	74-139			
m,p-Xylene	0.215	0.010	"	0.200		108	73-137			
o-Xylene	0.105	0.0050	"	0.0980		107	73-141			
Xylenes (total)	0.320	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.28	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0405		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0404		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0392		"	0.0400		97.9	21-167			

Matrix Spike (1802227-MS1)

Source: 1802229-01

Prepared & Analyzed: 02/22/18

Benzene	0.100	0.0020	mg/kg	0.100	ND	100	30-131			
Toluene	0.100	0.0050	"	0.100	ND	100	30-134			
Ethylbenzene	0.113	0.0050	"	0.0992	ND	114	22-153			
m,p-Xylene	0.609	0.010	"	0.200	0.0273	292	10-159			
o-Xylene	0.107	0.0050	"	0.0980	ND	109	31-151			
Xylenes (total)	0.716	0.0050	"		0.0273		30-150			
Gasoline Range Hydrocarbons	13.4	0.50	"		3.34		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0428		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0388		"	0.0400		97.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0499		"	0.0400		125	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

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 1802227 - EPA 5030 Soil MS

Matrix Spike Dup (1802227-MSD1)		Source: 1802229-01			Prepared & Analyzed: 02/22/18					
Benzene	0.0987	0.0020	mg/kg	0.100	ND	98.7	30-131	1.81	34	
Toluene	0.100	0.0050	"	0.100	ND	100	30-134	0.269	30	
Ethylbenzene	0.114	0.0050	"	0.0992	ND	115	22-153	1.14	24	
m,p-Xylene	0.226	0.010	"	0.200	0.0273	99.4	10-159	91.9	68	QM-07
o-Xylene	0.106	0.0050	"	0.0980	ND	109	31-151	0.534	38	
Xylenes (total)	0.332	0.0050	"		0.0273		30-150	73.3	20	QM-07
Gasoline Range Hydrocarbons	5.25	0.50	"		3.34		30-150	87.4	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.0421		"	0.0400		105	23-173			
Surrogate: Toluene-d8	0.0398		"	0.0400		99.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0436		"	0.0400		109	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/23/18 16:02

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.
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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 28, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/27/18 09:00. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-32@6'	1802269-01	Soil	02/26/18 11:05	02/27/18 09:00

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.

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

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03

Project Manager: Colby Sterling

Reported:

02/28/18 07:46

Summit Scientific

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

1802269

Page 1 of 1

Client: Talon/LPE - Bill Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80525

Phone: 970-818-5330 Fax:

Sampler Name: Jason Leverton

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com

Project Name:	Razor 27I
---------------	-----------

Project Number: 701530.054.03

[illegible]

www.s2scientific.com

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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

Sample Receipt Checklist

S2 Work Order: 1802269

Client: Talon

Client Project ID: Razor 27I

Shipped Via: P.V.

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

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

Cooler ID					
Temp (°C)	<u>5.9</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

Nurip
Custodian Printed Name

LA 2-27-18
Signature or Initials of Custodian

10:08
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

SW-32@6'
1802269-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/26/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802265	02/27/18	02/27/18	8015M	

Date Sampled: **02/26/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		65.5 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/26/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802264	02/27/18	02/27/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/26/18 11:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.2 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

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 1802265 - EPA 3550A

Blank (1802265-BLK1)

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 11.0 " 12.5 88.1 30-150

LCS (1802265-BS1)

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) 458 50 mg/kg 499 91.8 73-134

Surrogate: o-Terphenyl 11.1 " 12.5 88.8 30-150

Matrix Spike (1802265-MS1)

Source: 1802269-01

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) 407 50 mg/kg 499 21.3 77.4 50-148

Surrogate: o-Terphenyl 9.19 " 12.5 73.5 30-150

Matrix Spike Dup (1802265-MSD1)

Source: 1802269-01

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) 453 50 mg/kg 499 21.3 86.5 50-148 10.6 20

Surrogate: o-Terphenyl 11.6 " 12.5 92.9 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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

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 1802264 - EPA 5030 Soil MS

Blank (1802264-BLK1)

Prepared & Analyzed: 02/27/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0407		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0371		"	0.0400		92.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0381		"	0.0400		95.2	21-167			

LCS (1802264-BS1)

Prepared & Analyzed: 02/27/18

Benzene	0.0939	0.0020	mg/kg	0.100		93.9	58-130			
Toluene	0.0969	0.0050	"	0.100		96.9	61-134			
Ethylbenzene	0.113	0.0050	"	0.0992		114	74-139			
m,p-Xylene	0.206	0.010	"	0.200		103	73-137			
o-Xylene	0.100	0.0050	"	0.0980		102	73-141			
Xylenes (total)	0.307	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.14	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0383		"	0.0400		95.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400		96.2	21-167			

Matrix Spike (1802264-MS1)

Source: 1802269-01

Prepared & Analyzed: 02/27/18

Benzene	0.0958	0.0020	mg/kg	0.100	ND	95.8	30-131			
Toluene	0.0999	0.0050	"	0.100	ND	99.9	30-134			
Ethylbenzene	0.112	0.0050	"	0.0992	ND	112	22-153			
m,p-Xylene	0.208	0.010	"	0.200	0.00504	102	10-159			
o-Xylene	0.101	0.0050	"	0.0980	ND	103	31-151			
Xylenes (total)	0.309	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.23	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0432		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0382		"	0.0400		95.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

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 1802264 - EPA 5030 Soil MS

Matrix Spike Dup (1802264-MSD1)	Source: 1802269-01			Prepared & Analyzed: 02/27/18						
Benzene	0.0962	0.0020	mg/kg	0.100	ND	96.2	30-131	0.469	34	
Toluene	0.0992	0.0050	"	0.100	ND	99.2	30-134	0.753	30	
Ethylbenzene	0.114	0.0050	"	0.0992	ND	115	22-153	2.21	24	
m,p-Xylene	0.211	0.010	"	0.200	0.00504	103	10-159	1.40	68	
o-Xylene	0.104	0.0050	"	0.0980	ND	106	31-151	2.63	38	
Xylenes (total)	0.315	0.0050	"		ND		30-150	1.81	20	
Gasoline Range Hydrocarbons	3.29	0.50	"		ND		30-150	1.59	20	
Surrogate: 1,2-Dichloroethane-d4	0.0434		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0381		"	0.0400		95.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.4	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:46

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 28, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/27/18 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-33@6'	1802271-01	Soil	02/27/18 12:30	02/27/18 12:30

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.

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

Summit Scientific

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

186227

Page 1 of 1

Client: Talon/LPE - Bill Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80525

Phone: 970-818-5330 Fax:

Sampler Name: Jason Leverton

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com

Project Name: Razor 27I

Project Number: 701530.054.03

[illegible]

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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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

Sample Receipt Checklist

S2 Work Order: 1802271

Client: Talon/LPE

Client Project ID: Razor 27I

Shipped Via: P/U

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #:

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

Cooler ID					
Temp (°C)	21.4				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , ect			<input checked="" type="checkbox"/>	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
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):				

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

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

2/27/18 1640
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

SW-33@6'
1802271-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/27/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802265	02/27/18	02/28/18	8015M	

Date Sampled: **02/27/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		74.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/27/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802264	02/27/18	02/28/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/27/18 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

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 1802265 - EPA 3550A

Blank (1802265-BLK1)

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 11.0 " 12.5 88.1 30-150

LCS (1802265-BS1)

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) 458 50 mg/kg 499 91.8 73-134

Surrogate: o-Terphenyl 11.1 " 12.5 88.8 30-150

Matrix Spike (1802265-MS1)

Source: 1802269-01

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) 407 50 mg/kg 499 21.3 77.4 50-148

Surrogate: o-Terphenyl 9.19 " 12.5 73.5 30-150

Matrix Spike Dup (1802265-MSD1)

Source: 1802269-01

Prepared & Analyzed: 02/27/18

C10-C28 (DRO) 453 50 mg/kg 499 21.3 86.5 50-148 10.6 20

Surrogate: o-Terphenyl 11.6 " 12.5 92.9 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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

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 1802264 - EPA 5030 Soil MS

Blank (1802264-BLK1)

Prepared & Analyzed: 02/27/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0407		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0371		"	0.0400		92.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0381		"	0.0400		95.2	21-167			

LCS (1802264-BS1)

Prepared & Analyzed: 02/27/18

Benzene	0.0939	0.0020	mg/kg	0.100		93.9	58-130			
Toluene	0.0969	0.0050	"	0.100		96.9	61-134			
Ethylbenzene	0.113	0.0050	"	0.0992		114	74-139			
m,p-Xylene	0.206	0.010	"	0.200		103	73-137			
o-Xylene	0.100	0.0050	"	0.0980		102	73-141			
Xylenes (total)	0.307	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.14	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0383		"	0.0400		95.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400		96.2	21-167			

Matrix Spike (1802264-MS1)

Source: 1802269-01

Prepared & Analyzed: 02/27/18

Benzene	0.0958	0.0020	mg/kg	0.100	ND	95.8	30-131			
Toluene	0.0999	0.0050	"	0.100	ND	99.9	30-134			
Ethylbenzene	0.112	0.0050	"	0.0992	ND	112	22-153			
m,p-Xylene	0.208	0.010	"	0.200	0.00504	102	10-159			
o-Xylene	0.101	0.0050	"	0.0980	ND	103	31-151			
Xylenes (total)	0.309	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.23	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0432		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0382		"	0.0400		95.6	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

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 1802264 - EPA 5030 Soil MS

Matrix Spike Dup (1802264-MSD1)	Source: 1802269-01			Prepared & Analyzed: 02/27/18						
Benzene	0.0962	0.0020	mg/kg	0.100	ND	96.2	30-131	0.469	34	
Toluene	0.0992	0.0050	"	0.100	ND	99.2	30-134	0.753	30	
Ethylbenzene	0.114	0.0050	"	0.0992	ND	115	22-153	2.21	24	
m,p-Xylene	0.211	0.010	"	0.200	0.00504	103	10-159	1.40	68	
o-Xylene	0.104	0.0050	"	0.0980	ND	106	31-151	2.63	38	
Xylenes (total)	0.315	0.0050	"		ND		30-150	1.81	20	
Gasoline Range Hydrocarbons	3.29	0.50	"		ND		30-150	1.59	20	
Surrogate: 1,2-Dichloroethane-d4	0.0434		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0381		"	0.0400		95.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0386		"	0.0400		96.4	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 01, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/28/18 14:40. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-34@6'	1802301-01	Soil	02/28/18 11:50	02/28/18 14:40

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.

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

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

Summit Scientific

741 Corporate Circle Suite I ♦ Golden, Colorado 80401 180230)
303-277-9310 ♦ 303-374-5933 Fax

Client:	Talon/LPE - Bill Whiting
Address:	1811 East Mulberry
City/State/Zip:	Fort Collins, CO 80525
Phone:	970-818-5330
	Fax:
Sampler Name:	Jason Leverton

Project Manager:	Colby Sterling
E-Mail:	csterling@talonlpe.com and jleverton@talonlpe.com
Project Name:	Razor 271
Project Number:	701530.054.03

Page 1 of 1

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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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

Sample Receipt Checklist

S2 Work Order: 1802301

Client: Talon/LPE

Client Project ID: Razor 27I

Shipped Via: P/U

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #:

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

Cooler ID					
Temp (°C)	<u>21.5</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<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.		<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Were all samples received intact ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
If custody seals are present, are they intact ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<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) ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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 ⁽¹⁾ ?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
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):				

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

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

2/28/18 1515
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

SW-34@6'
1802301-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/28/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802275	02/28/18	02/28/18	8015M	

Date Sampled: **02/28/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		92.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/28/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802274	02/28/18	02/28/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/28/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		98.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		90.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

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 1802275 - EPA 3550A

Blank (1802275-BLK1)

Prepared & Analyzed: 02/28/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 11.0 " 12.5 88.3 30-150

LCS (1802275-BS1)

Prepared & Analyzed: 02/28/18

C10-C28 (DRO) 389 50 mg/kg 499 77.9 73-134

Surrogate: o-Terphenyl 13.5 " 12.5 108 30-150

Matrix Spike (1802275-MS1)

Source: 1802302-01

Prepared & Analyzed: 02/28/18

C10-C28 (DRO) 425 50 mg/kg 499 15.9 82.1 50-148

Surrogate: o-Terphenyl 13.2 " 12.5 106 30-150

Matrix Spike Dup (1802275-MSD1)

Source: 1802302-01

Prepared & Analyzed: 02/28/18

C10-C28 (DRO) 420 50 mg/kg 499 15.9 81.1 50-148 1.18 20

Surrogate: o-Terphenyl 13.1 " 12.5 105 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

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 1802274 - EPA 5030 Soil MS

Blank (1802274-BLK1)

Prepared & Analyzed: 02/28/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0341		"	0.0400		85.3	23-173			
Surrogate: Toluene-d8	0.0352		"	0.0400		88.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0417		"	0.0400		104	21-167			

LCS (1802274-BS1)

Prepared & Analyzed: 02/28/18

Benzene	0.168	0.0020	mg/kg	0.150		112	58-130			
Toluene	0.146	0.0050	"	0.150		97.3	61-134			
Ethylbenzene	0.158	0.0050	"	0.150		105	74-139			
m,p-Xylene	0.325	0.010	"	0.300		108	73-137			
o-Xylene	0.160	0.0050	"	0.150		107	73-141			
Xylenes (total)	0.485	0.0050	"				30-150			
Gasoline Range Hydrocarbons	15.7	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0372		"	0.0400		93.1	23-173			
Surrogate: Toluene-d8	0.0369		"	0.0400		92.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		101	21-167			

Matrix Spike (1802274-MS1)

Source: 1802302-01

Prepared & Analyzed: 02/28/18

Benzene	0.147	0.0020	mg/kg	0.150	ND	97.9	30-131			
Toluene	0.143	0.0050	"	0.150	ND	95.5	30-134			
Ethylbenzene	0.129	0.0050	"	0.150	ND	86.3	22-153			
m,p-Xylene	0.270	0.010	"	0.300	ND	89.9	10-159			
o-Xylene	0.134	0.0050	"	0.150	ND	89.4	31-151			
Xylenes (total)	0.404	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	13.0	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0409		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0448		"	0.0400		112	20-170			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

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 1802274 - EPA 5030 Soil MS

Matrix Spike Dup (1802274-MSD1)		Source: 1802302-01			Prepared & Analyzed: 02/28/18					
Benzene	0.144	0.0020	mg/kg	0.150	ND	96.2	30-131	1.71	34	
Toluene	0.120	0.0050	"	0.150	ND	79.9	30-134	17.7	30	
Ethylbenzene	0.134	0.0050	"	0.150	ND	89.2	22-153	3.31	24	
m,p-Xylene	0.276	0.010	"	0.300	ND	91.9	10-159	2.10	68	
o-Xylene	0.139	0.0050	"	0.150	ND	92.9	31-151	3.93	38	
Xylenes (total)	0.415	0.0050	"		ND		30-150	2.71	20	
Gasoline Range Hydrocarbons	13.6	0.50	"		ND		30-150	4.68	20	
Surrogate: 1,2-Dichloroethane-d4	0.0395		"	0.0400		98.8	23-173			
Surrogate: Toluene-d8	0.0359		"	0.0400		89.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0406		"	0.0400		101	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/01/18 06:43

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 16, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 03/15/18 16:00. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-36@8'	1803201-01	Soil	03/15/18 14:10	03/15/18 16:00

Summit Scientific

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

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03

Project Manager: Colby Sterling

Reported:

03/16/18 06:23

Summit Scientific

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

180320

Page 1 of 1

Client: Talon/LPE - Bill Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80525

Phone: 970-818-5330 Fax:

Sampler Name: Jason Leverton/Levi Kirk

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com

Project Name: Razor 27I

Project Number: 701530.054.03

[illegible]

www.s2scientific.com

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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

Sample Receipt Checklist

S2 Work Order: 1803201

Client: Talon

Client Project ID: Razor 27I

Shipped Via: P.U.

Airbill #:

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

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

Temp (°C) 6.1

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?				
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 ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are short holding time analytes or samples due within 48 hours present?	✓			
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	↕			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	↕			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	↕			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	↕			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			↕	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			↕	
Note the type of preservative in the Comments column – HCL, H2SO4, NaOH, HNO3, etc.			↕	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			↕	
Record the pH in Comments.			↕	
If dissolved metals are requested, were samples field filtered?			↕	
Additional Comments (if any):				

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

Muri
Custodian Printed Name or Initials

3-15-18
Signature of Custodian

12:45
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

SW-36@8'
1803201-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: 03/15/18 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	270	50	mg/kg	1	1803193	03/15/18	03/16/18	8015M	

Date Sampled: 03/15/18 14:10

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: 03/15/18 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.0064	0.0020	mg/kg	1	1803194	03/15/18	03/16/18	EPA 8260B	
Toluene	0.024	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.0098	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.23	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	24	0.50	"	"	"	"	"	"	

Date Sampled: 03/15/18 14:10

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		107 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		110 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

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 1803193 - EPA 3550A

Blank (1803193-BLK1)

Prepared: 03/15/18 Analyzed: 03/16/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.0 " 12.5 95.8 30-150

LCS (1803193-BS1)

Prepared: 03/15/18 Analyzed: 03/16/18

C10-C28 (DRO) 377 50 mg/kg 499 75.5 73-134

Surrogate: o-Terphenyl 12.4 " 12.5 99.4 30-150

Matrix Spike (1803193-MS1)

Source: 1803199-01

Prepared: 03/15/18 Analyzed: 03/16/18

C10-C28 (DRO) 400 50 mg/kg 499 18.5 76.5 50-148

Surrogate: o-Terphenyl 12.9 " 12.5 103 30-150

Matrix Spike Dup (1803193-MSD1)

Source: 1803199-01

Prepared: 03/15/18 Analyzed: 03/16/18

C10-C28 (DRO) 412 50 mg/kg 499 18.5 78.8 50-148 2.84 20

Surrogate: o-Terphenyl 13.2 " 12.5 106 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

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 1803194 - EPA 5030 Soil MS

Blank (1803194-BLK1)

Prepared: 03/15/18 Analyzed: 03/16/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0394		"	0.0400		98.5	23-173			
Surrogate: Toluene-d8	0.0365		"	0.0400		91.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0376		"	0.0400		94.1	21-167			

LCS (1803194-BS1)

Prepared: 03/15/18 Analyzed: 03/16/18

Benzene	0.0964	0.0020	mg/kg	0.100		96.4	58-130			
Toluene	0.0968	0.0050	"	0.100		96.8	61-134			
Ethylbenzene	0.110	0.0050	"	0.0992		111	74-139			
m,p-Xylene	0.203	0.010	"	0.200		102	73-137			
o-Xylene	0.0999	0.0050	"	0.0980		102	73-141			
Xylenes (total)	0.303	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.26	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0400		103	23-173			
Surrogate: Toluene-d8	0.0380		"	0.0400		95.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.8	21-167			

Matrix Spike (1803194-MS1)

Source: 1803189-01

Prepared: 03/15/18 Analyzed: 03/16/18

Benzene	0.0979	0.0020	mg/kg	0.100	ND	97.9	30-131			
Toluene	0.0984	0.0050	"	0.100	ND	98.4	30-134			
Ethylbenzene	0.111	0.0050	"	0.0992	ND	112	22-153			
m,p-Xylene	0.208	0.010	"	0.200	ND	104	10-159			
o-Xylene	0.102	0.0050	"	0.0980	ND	105	31-151			
Xylenes (total)	0.310	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.34	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0427		"	0.0400		107	23-173			
Surrogate: Toluene-d8	0.0382		"	0.0400		95.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0391		"	0.0400		97.6	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

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 1803194 - EPA 5030 Soil MS

Matrix Spike Dup (1803194-MSD1)	Source: 1803189-01			Prepared: 03/15/18 Analyzed: 03/16/18						
Benzene	0.0996	0.0020	mg/kg	0.100	ND	99.6	30-131	1.73	34	
Toluene	0.0999	0.0050	"	0.100	ND	99.9	30-134	1.57	30	
Ethylbenzene	0.113	0.0050	"	0.0992	ND	114	22-153	1.71	24	
m,p-Xylene	0.210	0.010	"	0.200	ND	105	10-159	1.25	68	
o-Xylene	0.103	0.0050	"	0.0980	ND	105	31-151	0.875	38	
Xylenes (total)	0.314	0.0050	"		ND		30-150	1.13	20	
Gasoline Range Hydrocarbons	3.31	0.50	"		ND		30-150	0.678	20	
Surrogate: 1,2-Dichloroethane-d4	0.0417		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0385		"	0.0400		96.2	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
03/16/18 06:23

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 21, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/19/18 15:00. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-20@6'	1802195-01	Soil	02/19/18 11:30	02/19/18 15:00
SW-21@6'	1802195-02	Soil	02/19/18 11:35	02/19/18 15:00
SW-22@6'	1802195-03	Soil	02/19/18 11:40	02/19/18 15:00
SW-23@6'	1802195-04	Soil	02/19/18 11:45	02/19/18 15:00
SW-24@6'	1802195-05	Soil	02/19/18 11:50	02/19/18 15:00

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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

Summit Scientific

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

1802195

Page 1 of 1

Client: Talon/LPE - Bill Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80525

Phone: 970-818-5330 Fax:

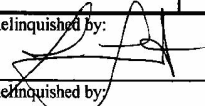
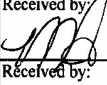
Sampler Name: Jason Leverton

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com

Project Name: Razor 27I

Project Number: 701530.054.03

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix				Analyze For:												Special Instructions	
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO												
SW-20 @ 6'	2/19/2018	1130	1		x			x				x	x												
SW-21 @ 6'	2/19/2018	1135	1		x			x				x	x												
SW-22 @ 6'	2/19/2018	1140	1		x			x				x	x												
SW-23 @ 6'	2/19/2018	1145	1		x			x				x	x												
SW-24 @ 6'	2/19/2018	1150	1		x			x				x	x												
Relinquished by: 	Date/Time: 2.19.18 15:00	Received by: 	Date/Time: 2/19/18 1500	Turn Around Time (Check)												Notes:									
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>																		
				24 Hours	<input checked="" type="checkbox"/>	Standard	<input type="checkbox"/>																		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:																					
				Temperature Upon Receipt: 15.3°C																					
				Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																					

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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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

Sample Receipt Checklist

S2 Work Order: 1802195
Client: Talon/LPE Client Project ID: Razor 27I
Shipped Via: P/U (UPS, FedEx, Hand Delivered, Pick-up, etc.) Airbill #: _____
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____ (Describe)

Cooler ID					
Temp (°C)	<u>15.3</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?		<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

2/19/18 11:00
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

SW-20@6'
1802195-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/19/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802205	02/19/18	02/19/18	8015M	

Date Sampled: **02/19/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		79.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/19/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802204	02/19/18	02/20/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/19/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

SW-21@6'
1802195-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/19/18 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	9700	50	mg/kg	1	1802205	02/19/18	02/19/18	8015M	

Date Sampled: **02/19/18 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		144 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/19/18 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.012	0.0020	mg/kg	1	1802204	02/19/18	02/20/18	EPA 8260B	
Toluene	0.060	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.045	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.63	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	190	0.50	"	"	"	"	"	"	

Date Sampled: **02/19/18 11:35**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		116 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		94.0 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		141 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

SW-22@6'
1802195-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/19/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2800	50	mg/kg	1	1802205	02/19/18	02/19/18	8015M	

Date Sampled: **02/19/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		94.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/19/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802204	02/19/18	02/20/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.0091	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	20	0.50	"	"	"	"	"	"	

Date Sampled: **02/19/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		108 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		107 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

SW-23@6'
1802195-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/19/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2300	50	mg/kg	1	1802205	02/19/18	02/19/18	8015M	

Date Sampled: **02/19/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		89.6 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/19/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.020	0.0020	mg/kg	1	1802204	02/19/18	02/20/18	EPA 8260B	
Toluene	0.15	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.13	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.41	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	48	0.50	"	"	"	"	"	"	

Date Sampled: **02/19/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		110 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.8 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

SW-24@6'
1802195-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/19/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1802205	02/19/18	02/19/18	8015M	

Date Sampled: **02/19/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		77.0 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/19/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802204	02/19/18	02/20/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/19/18 11:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

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 1802205 - EPA 3550A

Blank (1802205-BLK1)

Prepared & Analyzed: 02/19/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 10.5 " 12.5 84.3 30-150

LCS (1802205-BS1)

Prepared & Analyzed: 02/19/18

C10-C28 (DRO) 466 50 mg/kg 499 93.4 73-134

Surrogate: o-Terphenyl 10.7 " 12.5 85.6 30-150

Matrix Spike (1802205-MS1)

Source: 1802195-01

Prepared & Analyzed: 02/19/18

C10-C28 (DRO) 457 50 mg/kg 499 ND 91.5 50-148

Surrogate: o-Terphenyl 9.82 " 12.5 78.5 30-150

Matrix Spike Dup (1802205-MSD1)

Source: 1802195-01

Prepared & Analyzed: 02/19/18

C10-C28 (DRO) 411 50 mg/kg 499 ND 82.4 50-148 10.5 20

Surrogate: o-Terphenyl 11.6 " 12.5 92.5 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

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 1802204 - EPA 5030 Soil MS

Blank (1802204-BLK1)

Prepared: 02/19/18 Analyzed: 02/21/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0409		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0381		"	0.0400		95.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0394		"	0.0400		98.6	21-167			

LCS (1802204-BS1)

Prepared: 02/19/18 Analyzed: 02/21/18

Benzene	0.0984	0.0020	mg/kg	0.100		98.4	58-130			
Toluene	0.100	0.0050	"	0.100		100	61-134			
Ethylbenzene	0.111	0.0050	"	0.0992		112	74-139			
m,p-Xylene	0.207	0.010	"	0.200		104	73-137			
o-Xylene	0.102	0.0050	"	0.0980		104	73-141			
Xylenes (total)	0.309	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.16	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0405		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0392		"	0.0400		98.1	20-170			
Surrogate: 4-Bromofluorobenzene	0.0393		"	0.0400		98.3	21-167			

Matrix Spike (1802204-MS1)

Source: 1802195-01

Prepared: 02/19/18 Analyzed: 02/21/18

Benzene	0.100	0.0020	mg/kg	0.100	ND	100	30-131			
Toluene	0.101	0.0050	"	0.100	ND	101	30-134			
Ethylbenzene	0.113	0.0050	"	0.0992	ND	114	22-153			
m,p-Xylene	0.213	0.010	"	0.200	ND	107	10-159			
o-Xylene	0.103	0.0050	"	0.0980	ND	105	31-151			
Xylenes (total)	0.315	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.24	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0408		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0399		"	0.0400		99.8	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

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 1802204 - EPA 5030 Soil MS

Matrix Spike Dup (1802204-MSD1)	Source: 1802195-01			Prepared: 02/19/18		Analyzed: 02/21/18				
Benzene	0.100	0.0020	mg/kg	0.100	ND	100	30-131	0.240	34	
Toluene	0.0995	0.0050	"	0.100	ND	99.5	30-134	1.61	30	
Ethylbenzene	0.111	0.0050	"	0.0992	ND	112	22-153	2.07	24	
m,p-Xylene	0.206	0.010	"	0.200	ND	103	10-159	3.02	68	
o-Xylene	0.101	0.0050	"	0.0980	ND	104	31-151	1.12	38	
Xylenes (total)	0.308	0.0050	"		ND		30-150	2.40	20	
Gasoline Range Hydrocarbons	3.11	0.50	"		ND		30-150	4.06	20	
Surrogate: 1,2-Dichloroethane-d4	0.0445		"	0.0400		111	23-173			
Surrogate: Toluene-d8	0.0387		"	0.0400		96.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		100	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/21/18 13:19

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 16, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/14/18 15:00. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-17@6'	1802142-01	Soil	02/14/18 11:45	02/14/18 15:00

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.

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

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

Summit Scientific

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

1802142

Page 1 of 1

Client: Talon/LPE - Bill to Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80524

Phone: 970-818-5330 Fax:

Sampler Name: Jason Leverton

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jgalles@talonlpe.com

Project Name: Razor 271

Project Number: 701530.054.03

[illegible]

www.s2scientific.com

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.





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

Sample Receipt Checklist

S2 Work Order: 18021A2

Client: TALON

Client Project ID: Razor 27I

Shipped Via: H.O.

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #:

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

Cooler ID					
Temp (°C)	<u>12.1</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<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 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Muri P.
Custodian Printed Name

MS 2-14-18
Signature or Initials of Custodian

16:00
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

SW-17@6'
1802142-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/14/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	140	50	mg/kg	1	1802161	02/14/18	02/15/18	8015M	

Date Sampled: **02/14/18 11:45**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/14/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1802160	02/14/18	02/14/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **02/14/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.2 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		102 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

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 1802161 - EPA 3550A

Blank (1802161-BLK1)

Prepared: 02/14/18 Analyzed: 02/15/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 13.0 " 12.5 104 30-150

LCS (1802161-BS1)

Prepared: 02/14/18 Analyzed: 02/15/18

C10-C28 (DRO) 670 50 mg/kg 499 134 73-134

Surrogate: o-Terphenyl 15.5 " 12.5 124 30-150

Matrix Spike (1802161-MS1)

Source: 1802140-02

Prepared: 02/14/18 Analyzed: 02/15/18

C10-C28 (DRO) 743 50 mg/kg 499 9.30 147 50-148

Surrogate: o-Terphenyl 15.8 " 12.5 126 30-150

Matrix Spike Dup (1802161-MSD1)

Source: 1802140-02

Prepared: 02/14/18 Analyzed: 02/15/18

C10-C28 (DRO) 711 50 mg/kg 499 9.30 141 50-148 4.37 20

Surrogate: o-Terphenyl 16.8 " 12.5 135 30-150

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

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 1802160 - EPA 5030 Soil MS

Blank (1802160-BLK1)

Prepared: 02/14/18 Analyzed: 02/15/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0403		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0393		"	0.0400		98.2	20-170			
Surrogate: 4-Bromofluorobenzene	0.0410		"	0.0400		103	21-167			

LCS (1802160-BS1)

Prepared: 02/14/18 Analyzed: 02/15/18

Benzene	0.106	0.0020	mg/kg	0.100		106	58-130			
Toluene	0.113	0.0050	"	0.100		113	61-134			
Ethylbenzene	0.124	0.0050	"	0.0992		125	74-139			
m,p-Xylene	0.243	0.010	"	0.200		122	73-137			
o-Xylene	0.116	0.0050	"	0.0980		118	73-141			
Xylenes (total)	0.359	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.72	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0410		"	0.0400		102	23-173			
Surrogate: Toluene-d8	0.0410		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0416		"	0.0400		104	21-167			

Matrix Spike (1802160-MS1)

Source: 1802140-02

Prepared: 02/14/18 Analyzed: 02/15/18

Benzene	0.112	0.0020	mg/kg	0.100	ND	112	30-131			
Toluene	0.117	0.0050	"	0.100	ND	117	30-134			
Ethylbenzene	0.131	0.0050	"	0.0992	ND	132	22-153			
m,p-Xylene	0.255	0.010	"	0.200	ND	128	10-159			
o-Xylene	0.123	0.0050	"	0.0980	ND	126	31-151			
Xylenes (total)	0.378	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	2.96	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0438		"	0.0400		110	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0402		"	0.0400		100	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

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 1802160 - EPA 5030 Soil MS

Matrix Spike Dup (1802160-MSD1)	Source: 1802140-02			Prepared: 02/14/18 Analyzed: 02/15/18						
Benzene	0.112	0.0020	mg/kg	0.100	ND	112	30-131	0.429	34	
Toluene	0.118	0.0050	"	0.100	ND	118	30-134	1.17	30	
Ethylbenzene	0.134	0.0050	"	0.0992	ND	136	22-153	2.87	24	
m,p-Xylene	0.262	0.010	"	0.200	ND	131	10-159	2.57	68	
o-Xylene	0.127	0.0050	"	0.0980	ND	129	31-151	2.69	38	
Xylenes (total)	0.388	0.0050	"		ND		30-150	2.61	20	
Gasoline Range Hydrocarbons	3.08	0.50	"		ND		30-150	3.99	20	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0433</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0387</i>		<i>"</i>	<i>0.0400</i>		<i>96.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

Notes and Definitions

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

February 08, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 02/07/18 15:30. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-9@6'	1802043-01	Soil	02/07/18 11:15	02/07/18 15:30
SW-10@6'	1802043-02	Soil	02/07/18 11:20	02/07/18 15:30
SW-11@6'	1802043-03	Soil	02/07/18 11:25	02/07/18 15:30
SW-12@6'	1802043-04	Soil	02/07/18 11:30	02/07/18 15:30

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03

Project Manager: Colby Sterling

Reported:

02/08/18 15:15

Summit Scientific

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

1802043

Page 1 of 1

Client: Talon/LPE - Bill Whiting

Address: 1811 East Mulberry

City/State/Zip: Fort Collins, CO 80525

Phone: 970-818-5330 Fax:

Sampler Name: Jason Leverton/Jennifer Galles

Project Manager: Colby Sterling

E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com

Project Name: Razor 271

Project Number: 701530.054.03

				Preservative		Matrix		Analyze For:												
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO							Special Instructions
SW-9 @ 6'	2/7/2018	1115	1		x			x				x	x							
SW-10 @ 6'	2/7/2018	1120	1		x			x				x	x							
SW-11 @ 6'	2/7/2018	1125	1		x			x				x	x							
SW-12 @ 6'	2/7/2018	1130	1		x			x				x	x							
Relinquished by:	Date/Time: 2-7-18 15:30	Received by: 2-7-18	Date/Time: 15:30	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:																	
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity: Temperature Upon Receipt: 8.4 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

Sample Receipt Checklist

S2 Work Order: 1802043

Client: TALON Client Project ID: Razor 27I

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

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

Cooler ID					
Temp (°C)	<u>8.4</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?	<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HTs due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
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 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Muri P.
Custodian Printed Name

RS 2-7-18
Signature or Initials of Custodian

17:00
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

SW-9@6'
1802043-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/07/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	38000	50	mg/kg	1	1802066	02/07/18	02/08/18	8015M	E

Date Sampled: **02/07/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		223 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/07/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.026	0.0020	mg/kg	1	1802065	02/07/18	02/08/18	EPA 8260B	
Toluene	0.056	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.26	0.0050	"	"	"	"	"	"	
Xylenes (total)	9.8	0.50	"	100	"	"	"	"	
Gasoline Range Hydrocarbons	3600	50	"	"	"	"	"	"	

Date Sampled: **02/07/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		112 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

SW-10@6'
1802043-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/07/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1100	50	mg/kg	1	1802066	02/07/18	02/08/18	8015M	

Date Sampled: **02/07/18 11:20**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/07/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.0030	0.0020	mg/kg	1	1802065	02/07/18	02/08/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	4.0	0.50	"	"	"	"	"	"	

Date Sampled: **02/07/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

SW-11@6'
1802043-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/07/18 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	680	50	mg/kg	1	1802066	02/07/18	02/08/18	8015M	

Date Sampled: **02/07/18 11:25**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/07/18 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.15	0.020	mg/kg	10	1802065	02/07/18	02/08/18	EPA 8260B	
Toluene	0.62	0.050	"	"	"	"	"	"	
Ethylbenzene	0.41	0.050	"	"	"	"	"	"	
Xylenes (total)	1.2	0.050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	49	5.0	"	"	"	"	"	"	

Date Sampled: **02/07/18 11:25**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		100 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

SW-12@6'
1802043-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **02/07/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	3300	50	mg/kg	1	1802066	02/07/18	02/08/18	8015M	

Date Sampled: **02/07/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		155 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **02/07/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.8	0.20	mg/kg	100	1802065	02/07/18	02/08/18	EPA 8260B	
Toluene	24	0.50	"	"	"	"	"	"	
Ethylbenzene	13	0.50	"	"	"	"	"	"	
Xylenes (total)	34	0.50	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2500	50	"	"	"	"	"	"	

Date Sampled: **02/07/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		114 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		114 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

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 1802066 - EPA 3550A

Blank (1802066-BLK1)

Prepared & Analyzed: 02/07/18

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	13.7		"	12.5		109	30-150			

LCS (1802066-BS1)

Prepared & Analyzed: 02/07/18

C10-C28 (DRO)	548	50	mg/kg	499		110	73-134			
Surrogate: o-Terphenyl	16.2		"	12.5		130	30-150			

Matrix Spike (1802066-MS1)

Source: 1802044-02

Prepared & Analyzed: 02/07/18

C10-C28 (DRO)	629	50	mg/kg	499	8.19	124	50-148			
Surrogate: o-Terphenyl	12.4		"	12.5		99.3	30-150			

Matrix Spike Dup (1802066-MSD1)

Source: 1802044-02

Prepared & Analyzed: 02/07/18

C10-C28 (DRO)	622	50	mg/kg	499	8.19	123	50-148	1.12	20	
Surrogate: o-Terphenyl	13.4		"	12.5		107	30-150			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

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 1802065 - EPA 5030 Soil MS

Blank (1802065-BLK1)

Prepared & Analyzed: 02/07/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0396		"	0.0400		99.1	23-173			
Surrogate: Toluene-d8	0.0391		"	0.0400		97.7	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

LCS (1802065-BS1)

Prepared & Analyzed: 02/07/18

Benzene	0.104	0.0020	mg/kg	0.100		104	58-130			
Toluene	0.112	0.0050	"	0.100		112	61-134			
Ethylbenzene	0.123	0.0050	"	0.0992		124	74-139			
m,p-Xylene	0.236	0.010	"	0.200		118	73-137			
o-Xylene	0.115	0.0050	"	0.0980		117	73-141			
Xylenes (total)	0.351	0.0050	"				30-150			
Gasoline Range Hydrocarbons	2.77	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0400		"	0.0400		100	23-173			
Surrogate: Toluene-d8	0.0411		"	0.0400		103	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

Matrix Spike (1802065-MS1)

Source: 1802044-02

Prepared & Analyzed: 02/07/18

Benzene	0.107	0.0020	mg/kg	0.100	ND	107	30-131			
Toluene	0.115	0.0050	"	0.100	ND	115	30-134			
Ethylbenzene	0.129	0.0050	"	0.0992	ND	130	22-153			
m,p-Xylene	0.252	0.010	"	0.200	ND	126	10-159			
o-Xylene	0.123	0.0050	"	0.0980	ND	125	31-151			
Xylenes (total)	0.374	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.02	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0417		"	0.0400		104	23-173			
Surrogate: Toluene-d8	0.0403		"	0.0400		101	20-170			
Surrogate: 4-Bromofluorobenzene	0.0415		"	0.0400		104	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

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 1802065 - EPA 5030 Soil MS

Matrix Spike Dup (1802065-MSD1)	Source: 1802044-02			Prepared: 02/07/18 Analyzed: 02/08/18						
Benzene	0.107	0.0020	mg/kg	0.100	ND	107	30-131	0.0280	34	
Toluene	0.116	0.0050	"	0.100	ND	116	30-134	0.958	30	
Ethylbenzene	0.132	0.0050	"	0.0992	ND	133	22-153	2.34	24	
m,p-Xylene	0.255	0.010	"	0.200	ND	128	10-159	1.53	68	
o-Xylene	0.125	0.0050	"	0.0980	ND	127	31-151	1.57	38	
Xylenes (total)	0.380	0.0050	"		ND		30-150	1.54	20	
Gasoline Range Hydrocarbons	3.08	0.50	"		ND		30-150	2.10	20	
Surrogate: 1,2-Dichloroethane-d4	0.0426		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0413		"	0.0400		103	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

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.
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

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

January 31, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 01/30/18 15:35. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-1@6'	1801316-01	Soil	01/30/18 13:15	01/30/18 15:35
SW-2@6'	1801316-02	Soil	01/30/18 13:20	01/30/18 15:35
SW-3@10'	1801316-03	Soil	01/30/18 13:22	01/30/18 15:35
SW-4@6'	1801316-04	Soil	01/30/18 13:23	01/30/18 15:35
SW-5@6'	1801316-05	Soil	01/30/18 13:26	01/30/18 15:35
SW-6@5'	1801316-06	Soil	01/30/18 13:30	01/30/18 15:35
SW-7@6.5'	1801316-07	Soil	01/30/18 13:34	01/30/18 15:35
SW-8@5'	1801316-08	Soil	01/30/18 13:40	01/30/18 15:35

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

1801316

Summit Scientific

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

Page 1 of 1

Client: Talon/LPE - Bill Whiting	Project Manager: Colby Sterling
Address: 1811 East Mulberry	E-Mail: csterling@talonlpe.com and jleverton@talonlpe.com
City/State/Zip: Fort Collins, CO 80525	Project Name: Razor 27I
Phone: 970-818-5330 Fax:	Project Number: 701530.054.03
Sampler Name: Jason Leverton/Colby Sterling	

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative				Matrix			Analyze For:										Special Instructions					
				HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO													
SW-1 @ 6'	1/30/2018	1315	1		x								x	x												
SW-2 @ 6'	1/30/2018	1320	1		x								x	x												
SW-3 @ 10'	1/30/2018	1322	1		x								x	x												
SW-4 @ 6'	1/30/2018	1323	1		x								x	x												
SW-5 @ 6'	1/30/2018	1326	1		x								x	x												
SW-6 @ 5'	1/30/2018	1330	1		x								x	x												
SW-7 @ 6.5'	1/30/2018	1334	1		x								x	x												
SW-8 @ 5'	1/30/2018	1340	1		x								x	x												
Relinquished by: <i>[Signature]</i> Date/Time: 1-30-18 1535				Received by: <i>[Signature]</i> Date/Time: 1/30/18 1535				Turn Around Time (Check)										Notes:								
Relinquished by:				Received by:				Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>																		
Relinquished by:				Received by:				24 Hours <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>																		
Relinquished by:				Received in Lab by:				Sample Integrity:																		
								Temperature Upon Receipt: 14.8°C																		
								Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																		

www.s2scientific.com

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.

[Signature]



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

Sample Receipt Checklist

S2 Work Order: 1801316
Client: Talon/LPE - Bill Whiting Client Project ID: Razor 27I
Shipped Via: P/U (UPS, FedEx, Hand Delivered, Pick-up, etc.) Airbill #: _____
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Cooler ID					
Temp (°C)	14.8				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?		✓		
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 ⁽¹⁾ ?	✓			
Was adequate sample volume provided ⁽¹⁾ ?	✓			
If custody seals are present, are they intact ⁽¹⁾ ?			✓	
Are short holding time analytes or samples with HTs due within 48 hours present?			✓	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	✓			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	✓			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	✓			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	✓			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			✓	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			✓	
Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , ect			✓	
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			✓	
Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

1/30/18 1600
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-1@6'
1801316-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		73.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1801313	01/30/18	01/30/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-2@6'
1801316-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	1900	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		90.4 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.19	0.0020	mg/kg	1	1801313	01/30/18	01/31/18	EPA 8260B	
Toluene	3.5	0.50	"	100	"	"	"	"	
Ethylbenzene	0.45	0.0050	"	1	"	"	"	"	
Xylenes (total)	2.0	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	45	0.50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		115 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-3@10'
1801316-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:22**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	7400	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:22**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		154 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:22**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.8	0.20	mg/kg	100	1801313	01/30/18	01/31/18	EPA 8260B	
Toluene	30	0.50	"	"	"	"	"	"	
Ethylbenzene	19	0.50	"	"	"	"	"	"	
Xylenes (total)	52	0.50	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	2900	50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:22**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.9 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		110 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		113 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-4@6'
1801316-04 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	220	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		71.2 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1801313	01/30/18	01/30/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-5@6'
1801316-05 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2000	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		128 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.057	0.0020	mg/kg	1	1801313	01/30/18	01/31/18	EPA 8260B	
Toluene	0.50	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.32	0.0050	"	"	"	"	"	"	
Xylenes (total)	1.0	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	30	0.50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.5 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.7 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		111 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-6@5'
1801316-06 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	2600	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		139 %	30-150		"	"	"	"	

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.0044	0.0020	mg/kg	1	1801313	01/30/18	01/31/18	EPA 8260B	
Toluene	0.016	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.014	0.0050	"	"	"	"	"	"	
Xylenes (total)	11	0.50	"	100	"	"	"	"	
Gasoline Range Hydrocarbons	1300	50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		105 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		149 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		108 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-7@6.5'
1801316-07 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1801307	01/30/18	01/30/18	8015M	

Date Sampled: **01/30/18 13:34**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1801313	01/30/18	01/31/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	0.014	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	38	0.50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:34**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		112 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

SW-8@5'
1801316-08 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **01/30/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	830	50	mg/kg	1	1801307	01/30/18	01/31/18	8015M	

Date Sampled: **01/30/18 13:40**

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

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **01/30/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1801313	01/30/18	01/31/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	9.9	0.50	"	"	"	"	"	"	

Date Sampled: **01/30/18 13:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		94.0 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.4 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.8 %	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

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 1801307 - EPA 3550A

Blank (1801307-BLK1)

Prepared & Analyzed: 01/30/18

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: o-Terphenyl	12.6		"	12.5	101		30-150			

LCS (1801307-BS1)

Prepared & Analyzed: 01/30/18

C10-C28 (DRO)	493	50	mg/kg	499	98.9		73-134			
Surrogate: o-Terphenyl	9.63		"	12.5	77.0		30-150			

Matrix Spike (1801307-MS1)

Source: 1801308-04

Prepared & Analyzed: 01/30/18

C10-C28 (DRO)	574	50	mg/kg	499	11.8	113	50-148			
Surrogate: o-Terphenyl	15.9		"	12.5	127		30-150			

Matrix Spike Dup (1801307-MSD1)

Source: 1801308-04

Prepared & Analyzed: 01/30/18

C10-C28 (DRO)	561	50	mg/kg	499	11.8	110	50-148	2.30	20	
Surrogate: o-Terphenyl	13.6		"	12.5	109		30-150			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

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 1801313 - EPA 5030 Soil MS

Blank (1801313-BLK1)

Prepared & Analyzed: 01/30/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0399		"	0.0400		99.7	23-173			
Surrogate: Toluene-d8	0.0394		"	0.0400		98.5	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

LCS (1801313-BS1)

Prepared & Analyzed: 01/30/18

Benzene	0.115	0.0020	mg/kg	0.100		115	58-130			
Toluene	0.123	0.0050	"	0.100		123	61-134			
Ethylbenzene	0.134	0.0050	"	0.0992		135	74-139			
m,p-Xylene	0.259	0.010	"	0.200		130	73-137			
o-Xylene	0.125	0.0050	"	0.0980		128	73-141			
Xylenes (total)	0.384	0.0050	"				30-150			
Gasoline Range Hydrocarbons	3.11	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0422		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0399		"	0.0400		99.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0408		"	0.0400		102	21-167			

Matrix Spike (1801313-MS1)

Source: 1801316-01

Prepared & Analyzed: 01/30/18

Benzene	0.117	0.0020	mg/kg	0.100	ND	117	30-131			
Toluene	0.124	0.0050	"	0.100	ND	124	30-134			
Ethylbenzene	0.136	0.0050	"	0.0992	ND	137	22-153			
m,p-Xylene	0.264	0.010	"	0.200	0.00354	131	10-159			
o-Xylene	0.126	0.0050	"	0.0980	ND	129	31-151			
Xylenes (total)	0.390	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	3.17	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0424		"	0.0400		106	23-173			
Surrogate: Toluene-d8	0.0401		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0398		"	0.0400		99.5	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
01/31/18 06:34

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

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 11, 2018

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Razor 27I

Enclosed are the results of analyses for samples received by Summit Scientific on 03/09/18 14:30. 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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SW-35@8'	1803118-01	Soil	03/09/18 11:40	03/09/18 14:30

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.

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

Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

Summit Scientific

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

18031/8

Page 1 of 1

Client:	Talon/LPE - Bill to Whiting
Address:	1811 East Mulberry
City/State/Zip:	Fort Collins, CO 80524
Phone:	970-818-5330 Fax:
Sampler Name:	Colby Sterling

Project Manager: Colby Sterling
E-Mail: csterling@talonlpe.com and jgalles@talonlpe.com
Project Name: ~~Razor 25B~~ **RAZOR 27I** **(14)**
Project Number: 701530.107.02

				Preservative		Matrix		Analyze For:													
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX	GRO/DRO								Special Instructions
SW-35 @8'	3/9/2018	11:40	1		x			x				x	x								
Relinquished by:	Date/Time: 3.9.18 14:30	Received by:	Date/Time: 3/9/18 1430	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"/>								Sample Integrity: Temperature Upon Receipt: 21.3°C Intact: Yes <input checked="" type="radio"/> No <input type="radio"/>									
Relinquished by:	Date/Time:	Received by:	Date/Time:																		
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:																		

www.s2scientific.com

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

Sample Receipt Checklist

S2 Work Order: 180318
Client: Talon/LPE Client Project ID: Razor ~~27B~~ 27I
Shipped Via: Hand Airbill #: _____
(UPS, FedEx, Hand Delivered, Pick-up, etc.)
Matrix (check all that apply): ☐ Air ☒ Soil/Solid ☐ Water ☐ Other: _____
(Describe)

Cooler ID					
Temp (°C)	<u>21.3</u>				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C ⁽¹⁾ ?		<input checked="" 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 ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Was adequate sample volume provided ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
If custody seals are present, are they intact ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
Are short holding time analytes or samples with HT's due within 48 hours present?			<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<input checked="" type="checkbox"/>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
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 ⁽¹⁾ ?			<input checked="" type="checkbox"/>	
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):				
⁽¹⁾ If NO, then contact the client before proceeding with analysis and note in case narrative.				

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

3/9/18 1430
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

SW-35@8'
1803118-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **03/09/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	3700	50	mg/kg	1	1803125	03/09/18	03/10/18	8015M	

Date Sampled: **03/09/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: o-Terphenyl</i>		490 %	30-150		"	"	"	"	S-02

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/09/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	0.038	0.0020	mg/kg	1	1803126	"	03/10/18	EPA 8260B	
Toluene	0.20	0.0050	"	"	"	"	"	"	
Ethylbenzene	0.018	0.0050	"	"	"	"	"	"	
Xylenes (total)	1.2	0.0050	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	47	0.50	"	"	"	"	"	"	

Date Sampled: **03/09/18 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.6 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		104 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %	21-167		"	"	"	"	

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

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 1803125 - EPA 3550A

Blank (1803125-BLK1)

Prepared: 03/09/18 Analyzed: 03/10/18

C10-C28 (DRO) ND 50 mg/kg

Surrogate: o-Terphenyl 12.1 " 12.5 96.9 30-150

LCS (1803125-BS1)

Prepared: 03/09/18 Analyzed: 03/10/18

C10-C28 (DRO) 401 50 mg/kg 499 80.4 73-134

Surrogate: o-Terphenyl 14.1 " 12.5 113 30-150

Matrix Spike (1803125-MS1)

Source: 1803105-01

Prepared: 03/09/18 Analyzed: 03/10/18

C10-C28 (DRO) 421 50 mg/kg 499 17.3 81.0 50-148

Surrogate: o-Terphenyl 13.5 " 12.5 108 30-150

Matrix Spike Dup (1803125-MSD1)

Source: 1803105-01

Prepared: 03/09/18 Analyzed: 03/10/18

C10-C28 (DRO) 408 50 mg/kg 499 17.3 78.2 50-148 3.31 20

Surrogate: o-Terphenyl 13.2 " 12.5 106 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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

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 1803126 - EPA 5030 Soil MS

Blank (1803126-BLK1)

Prepared: 03/09/18 Analyzed: 03/10/18

Benzene	ND	0.0020	mg/kg							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Gasoline Range Hydrocarbons	ND	0.50	"							
Surrogate: 1,2-Dichloroethane-d4	0.0405		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0366		"	0.0400		91.4	20-170			
Surrogate: 4-Bromofluorobenzene	0.0375		"	0.0400		93.8	21-167			

LCS (1803126-BS1)

Prepared: 03/09/18 Analyzed: 03/10/18

Benzene	0.140	0.0020	mg/kg	0.150		93.6	58-130			
Toluene	0.132	0.0050	"	0.150		87.7	61-134			
Ethylbenzene	0.135	0.0050	"	0.150		90.1	74-139			
m,p-Xylene	0.255	0.010	"	0.300		85.0	73-137			
o-Xylene	0.134	0.0050	"	0.150		89.2	73-141			
Xylenes (total)	0.389	0.0050	"				30-150			
Gasoline Range Hydrocarbons	13.1	0.50	"				30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0404		"	0.0400		101	23-173			
Surrogate: Toluene-d8	0.0383		"	0.0400		95.8	20-170			
Surrogate: 4-Bromofluorobenzene	0.0383		"	0.0400		95.8	21-167			

Matrix Spike (1803126-MS1)

Source: 1803105-01

Prepared: 03/09/18 Analyzed: 03/10/18

Benzene	0.110	0.0020	mg/kg	0.150	ND	73.5	30-131			
Toluene	0.102	0.0050	"	0.150	ND	68.3	30-134			
Ethylbenzene	0.104	0.0050	"	0.150	ND	69.2	22-153			
m,p-Xylene	0.195	0.010	"	0.300	ND	65.2	10-159			
o-Xylene	0.103	0.0050	"	0.150	ND	68.3	31-151			
Xylenes (total)	0.298	0.0050	"		ND		30-150			
Gasoline Range Hydrocarbons	10.2	0.50	"		ND		30-150			
Surrogate: 1,2-Dichloroethane-d4	0.0448		"	0.0400		112	23-173			
Surrogate: Toluene-d8	0.0385		"	0.0400		96.3	20-170			
Surrogate: 4-Bromofluorobenzene	0.0390		"	0.0400		97.4	21-167			

Summit Scientific

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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

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 1803126 - EPA 5030 Soil MS

Matrix Spike Dup (1803126-MSD1)		Source: 1803105-01			Prepared: 03/09/18		Analyzed: 03/10/18			
Benzene	0.119	0.0020	mg/kg	0.150	ND	79.3	30-131	7.64	34	
Toluene	0.111	0.0050	"	0.150	ND	73.7	30-134	7.58	30	
Ethylbenzene	0.117	0.0050	"	0.150	ND	77.7	22-153	11.7	24	
m,p-Xylene	0.220	0.010	"	0.300	ND	73.3	10-159	11.8	68	
o-Xylene	0.115	0.0050	"	0.150	ND	76.7	31-151	11.5	38	
Xylenes (total)	0.335	0.0050	"		ND		30-150	11.7	20	
Gasoline Range Hydrocarbons	11.2	0.50	"		ND		30-150	9.10	20	
Surrogate: 1,2-Dichloroethane-d4	0.0431		"	0.0400		108	23-173			
Surrogate: Toluene-d8	0.0380		"	0.0400		95.0	20-170			
Surrogate: 4-Bromofluorobenzene	0.0400		"	0.0400		100	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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I
Project Number: 701530.107.02
Project Manager: Colby Sterling

Reported:
03/11/18 14:44

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