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Site Summary Report Razor 271

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 271 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 271 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 Tale 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". The signature is written in a cursive, flowing style.

Jennifer Galles
Project Manager
Talon/LPE

Enclosures:

Attachment 1 - Figures

Attachment 2 - Tables

Attachment 3 - Laboratory Analytical Reports

Attachment 1
Figures

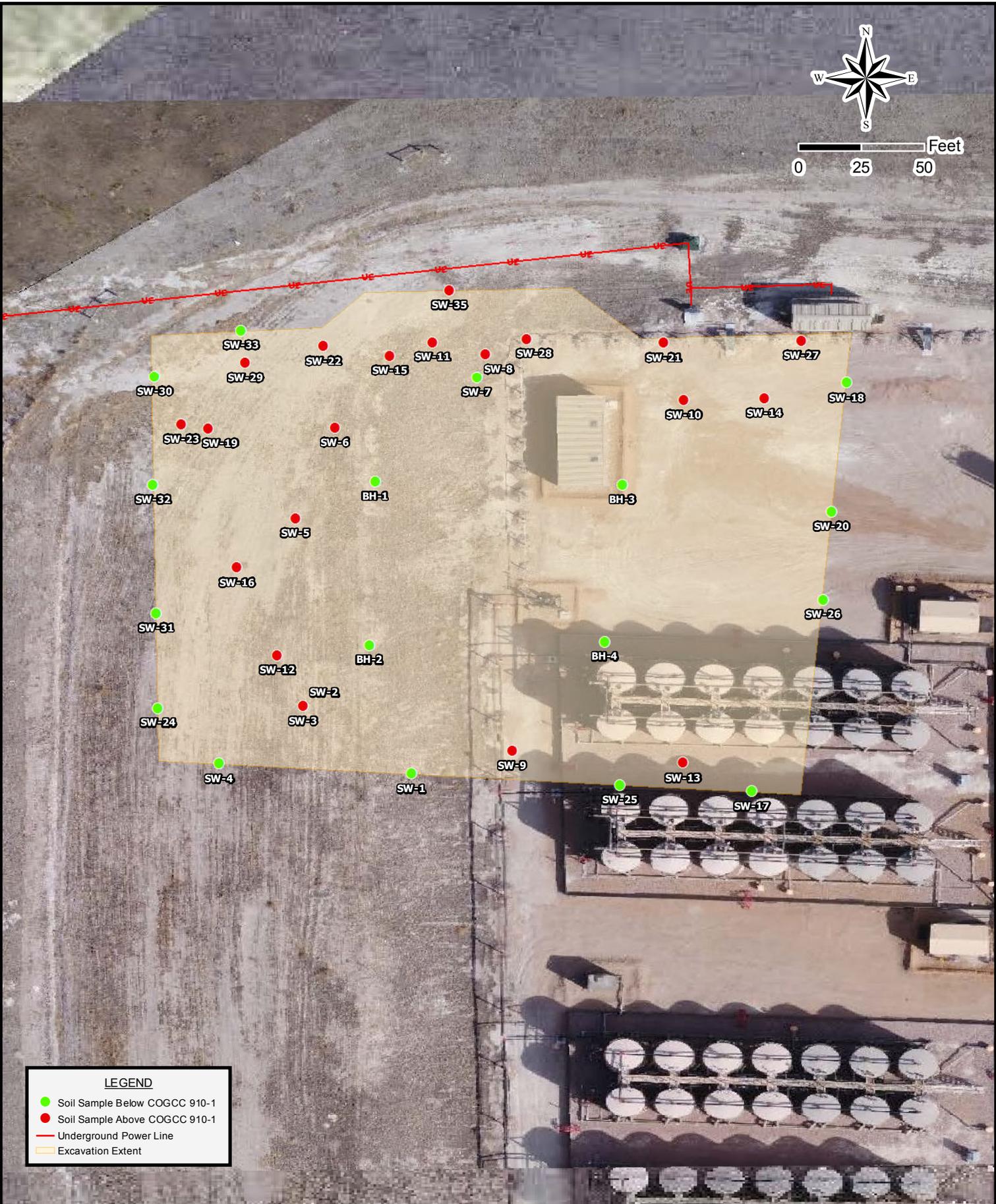


Drafted: 3/21/2018
 1 in = 50 ft
 Drafted By: IJM

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



0 25 50 Feet



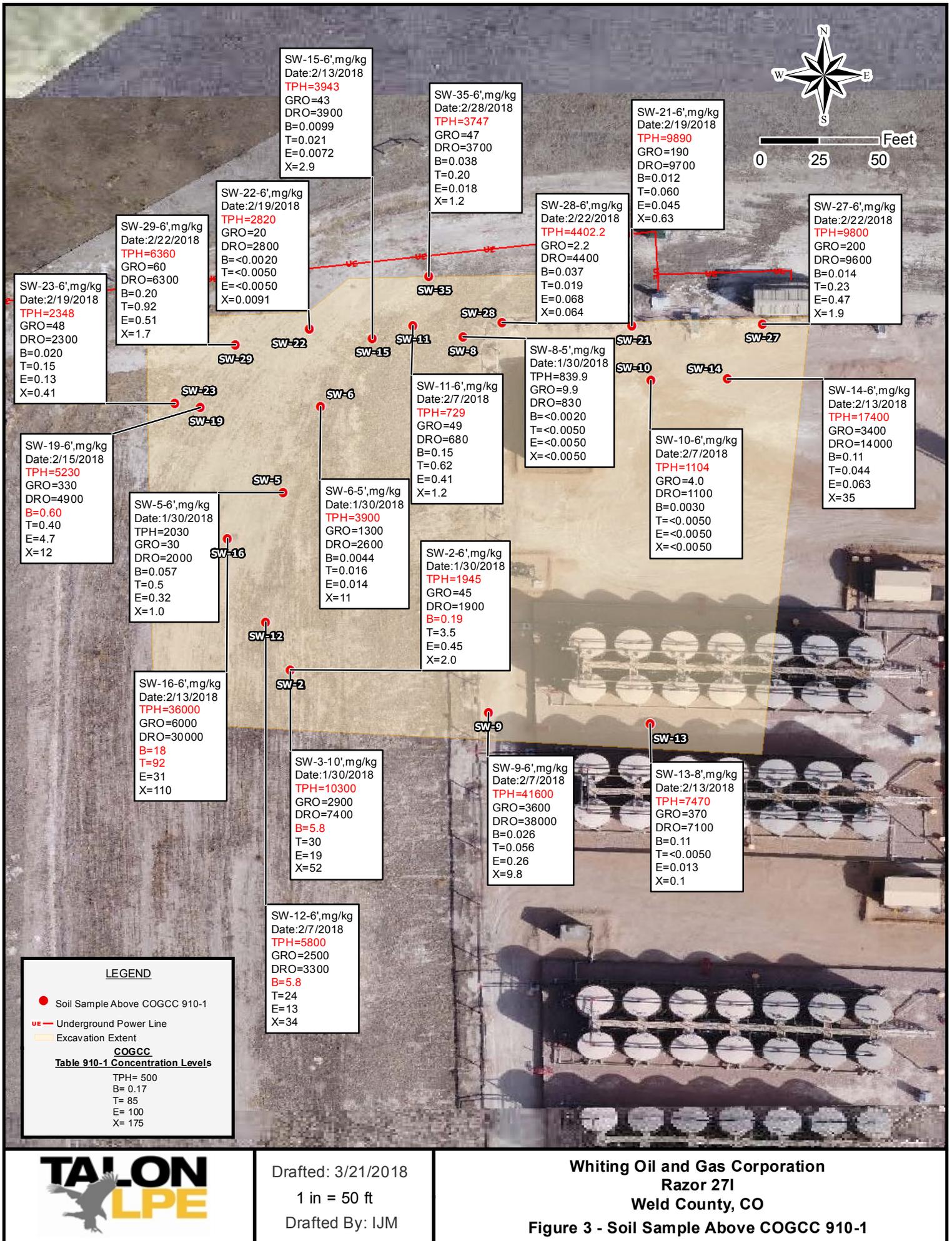
LEGEND

- Soil Sample Below COGCC 910-1
- Soil Sample Above COGCC 910-1
- 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 2 - Soil Sample Locations



SW-15-6',mg/kg
Date:2/13/2018
TPH=3943
GRO=43
DRO=3900
B=0.0099
T=0.021
E=0.0072
X=2.9

SW-35-6',mg/kg
Date:2/28/2018
TPH=3747
GRO=47
DRO=3700
B=0.038
T=0.20
E=0.018
X=1.2

SW-21-6',mg/kg
Date:2/19/2018
TPH=9890
GRO=190
DRO=9700
B=0.012
T=0.060
E=0.045
X=0.63

SW-27-6',mg/kg
Date:2/22/2018
TPH=9800
GRO=200
DRO=9600
B=0.014
T=0.23
E=0.47
X=1.9

SW-28-6',mg/kg
Date:2/22/2018
TPH=4402.2
GRO=2.2
DRO=4400
B=0.037
T=0.019
E=0.068
X=0.064

SW-22-6',mg/kg
Date:2/19/2018
TPH=2820
GRO=20
DRO=2800
B=<0.0020
T=<0.0050
E=<0.0050
X=0.0091

SW-29-6',mg/kg
Date:2/22/2018
TPH=6360
GRO=60
DRO=6300
B=0.20
T=0.92
E=0.51
X=1.7

SW-23-6',mg/kg
Date:2/19/2018
TPH=2348
GRO=48
DRO=2300
B=0.020
T=0.15
E=0.13
X=0.41

SW-8-5',mg/kg
Date:1/30/2018
TPH=839.9
GRO=9.9
DRO=830
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-14-6',mg/kg
Date:2/13/2018
TPH=17400
GRO=3400
DRO=14000
B=0.11
T=0.044
E=0.063
X=35

SW-10-6',mg/kg
Date:2/7/2018
TPH=1104
GRO=4.0
DRO=1100
B=0.0030
T=<0.0050
E=<0.0050
X=<0.0050

SW-11-6',mg/kg
Date:2/7/2018
TPH=729
GRO=49
DRO=680
B=0.15
T=0.62
E=0.41
X=1.2

SW-6-5',mg/kg
Date:1/30/2018
TPH=3900
GRO=1300
DRO=2600
B=0.0044
T=0.016
E=0.014
X=11

SW-5-6',mg/kg
Date:1/30/2018
TPH=2030
GRO=30
DRO=2000
B=0.057
T=0.5
E=0.32
X=1.0

SW-19-6',mg/kg
Date:2/15/2018
TPH=5230
GRO=330
DRO=4900
B=0.60
T=0.40
E=4.7
X=12

SW-2-6',mg/kg
Date:1/30/2018
TPH=1945
GRO=45
DRO=1900
B=0.19
T=3.5
E=0.45
X=2.0

SW-12-6',mg/kg
Date:2/13/2018
TPH=36000
GRO=6000
DRO=30000
B=18
T=92
E=31
X=110

SW-16-6',mg/kg
Date:2/13/2018
TPH=36000
GRO=6000
DRO=30000
B=18
T=92
E=31
X=110

SW-3-10',mg/kg
Date:1/30/2018
TPH=10300
GRO=2900
DRO=7400
B=5.8
T=30
E=19
X=52

SW-9-6',mg/kg
Date:2/7/2018
TPH=41600
GRO=3600
DRO=38000
B=0.026
T=0.056
E=0.26
X=9.8

SW-13-8',mg/kg
Date:2/13/2018
TPH=7470
GRO=370
DRO=7100
B=0.11
T=<0.0050
E=0.013
X=0.1

SW-12-6',mg/kg
Date:2/7/2018
TPH=5800
GRO=2500
DRO=3300
B=5.8
T=24
E=13
X=34

LEGEND

- Soil Sample Above COGCC 910-1
- Underground Power Line
- Excavation Extent

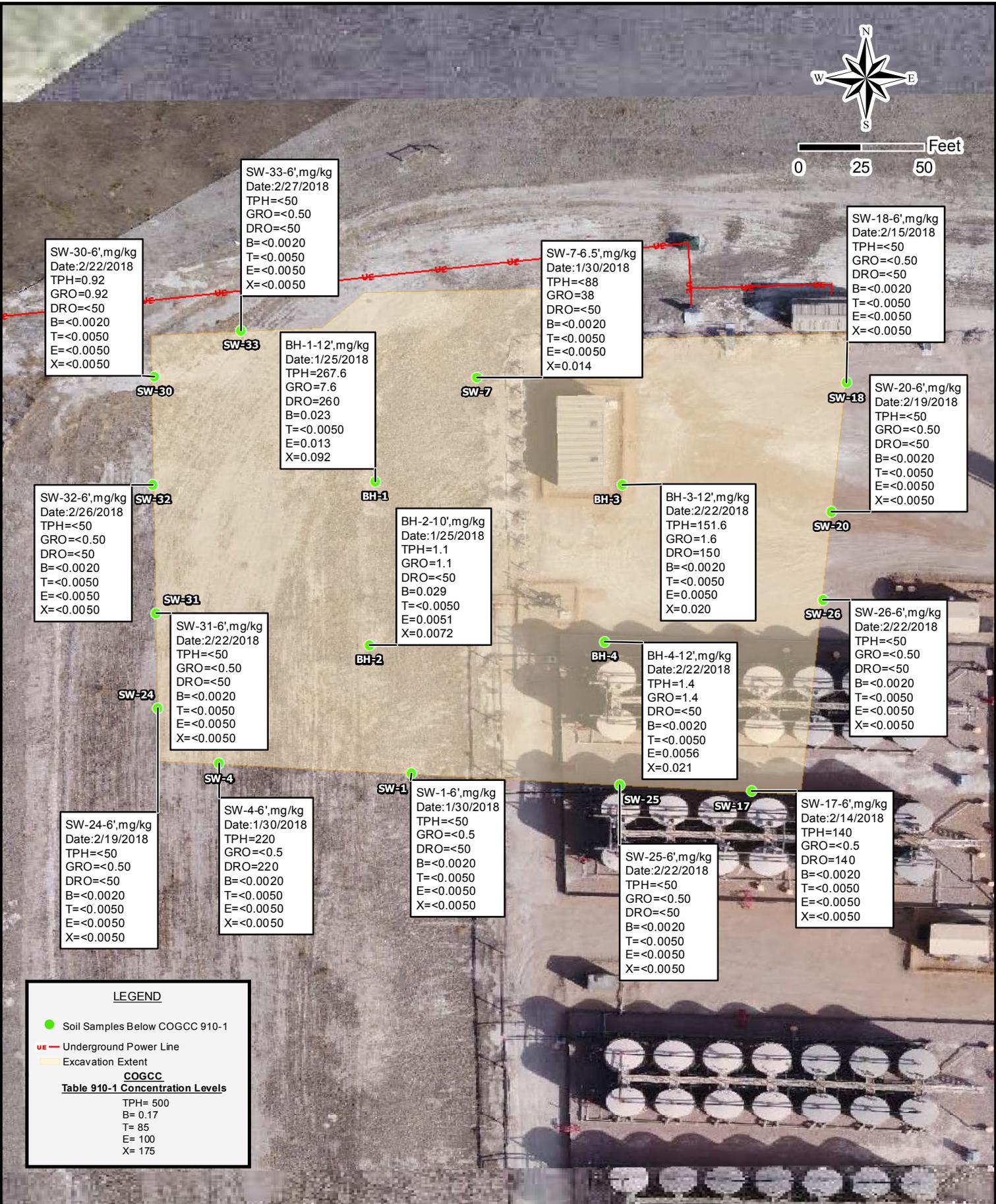
COGCC
Table 910-1 Concentration Levels

TPH=	500
B=	0.17
T=	85
E=	100
X=	175



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



SW-33-6',mg/kg
Date:2/27/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-30-6',mg/kg
Date:2/22/2018
TPH=0.92
GRO=0.92
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-7-6.5',mg/kg
Date:1/30/2018
TPH=<88
GRO=38
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=0.014

SW-18-6',mg/kg
Date:2/15/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

BH-1-12',mg/kg
Date:1/25/2018
TPH=267.6
GRO=7.6
DRO=260
B=0.023
T=<0.0050
E=0.013
X=0.092

SW-20-6',mg/kg
Date:2/19/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-32-6',mg/kg
Date:2/26/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

BH-2-10',mg/kg
Date:1/25/2018
TPH=1.1
GRO=1.1
DRO=<50
B=0.029
T=<0.0050
E=0.0051
X=0.0072

BH-3-12',mg/kg
Date:2/22/2018
TPH=151.6
GRO=1.6
DRO=150
B=<0.0020
T=<0.0050
E=0.0050
X=0.020

SW-26-6',mg/kg
Date:2/22/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-31-6',mg/kg
Date:2/22/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

BH-4-12',mg/kg
Date:2/22/2018
TPH=1.4
GRO=1.4
DRO=<50
B=<0.0020
T=<0.0050
E=0.0056
X=0.021

SW-24-6',mg/kg
Date:2/19/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-4-6',mg/kg
Date:1/30/2018
TPH=220
GRO=<0.5
DRO=220
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-1-6',mg/kg
Date:1/30/2018
TPH=<50
GRO=<0.5
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-25-6',mg/kg
Date:2/22/2018
TPH=<50
GRO=<0.50
DRO=<50
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

SW-17-6',mg/kg
Date:2/14/2018
TPH=140
GRO=<0.5
DRO=140
B=<0.0020
T=<0.0050
E=<0.0050
X=<0.0050

LEGEND

- Soil Samples Below COGCC 910-1
- Underground Power Line
- Excavation Extent

COGCC
Table 910-1 Concentration Levels

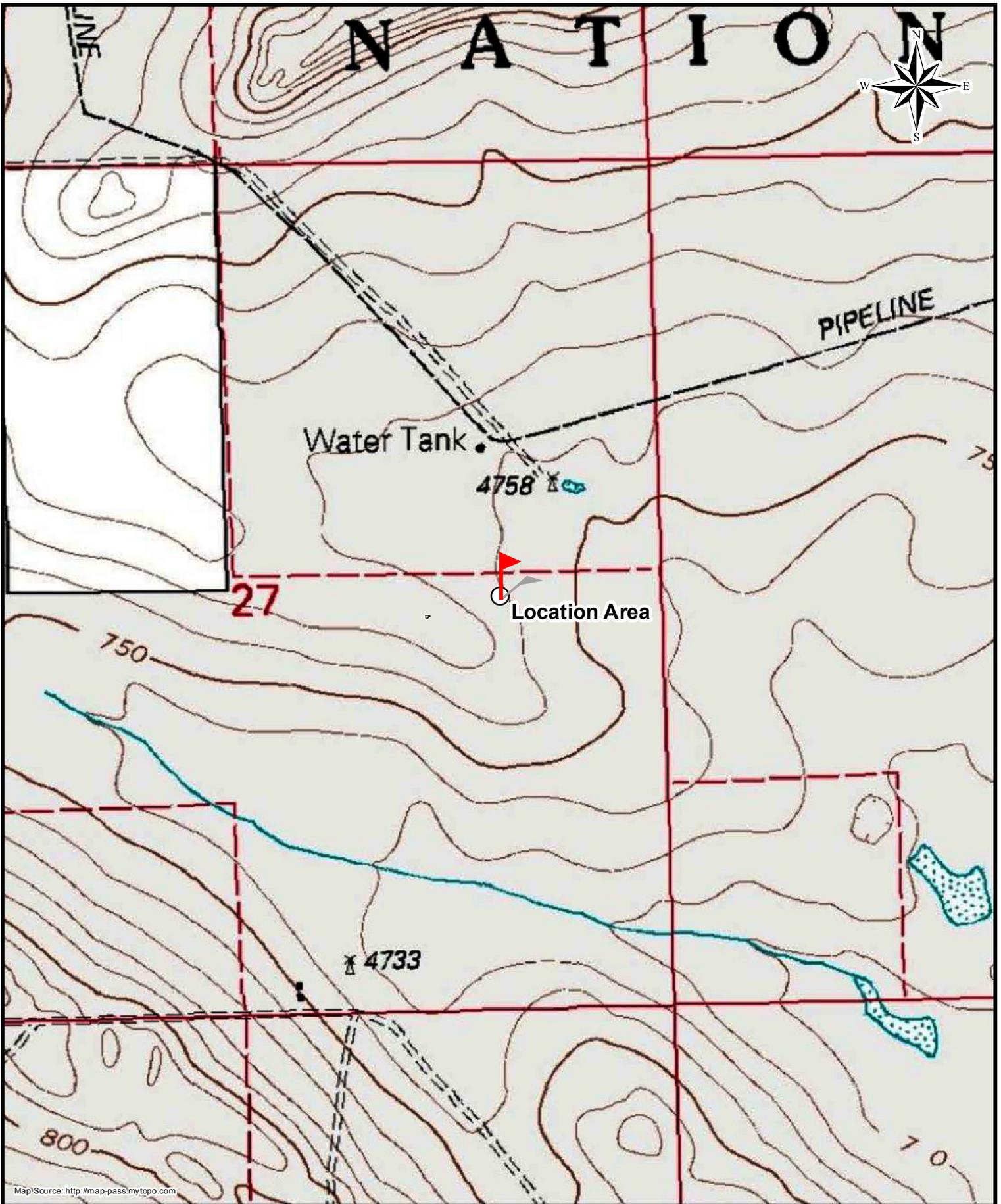
TPH=	500
B=	0.17
T=	85
E=	100
X=	175



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 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
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,



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.

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

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

1/25/18 1545
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

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

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: <i>o</i> -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 Level	Source		%REC		RPD		Notes
	Result	Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch 1801275 - EPA 3550A

Blank (1801275-BLK1)

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

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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	
<i>Surrogate: o-Terphenyl</i>	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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.5</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0389</i>		<i>"</i>	<i>0.0400</i>		<i>97.4</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0413</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0412</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0424</i>		<i>"</i>	<i>0.0400</i>		<i>106</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>		<i>104</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: 701530.054.04
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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0432</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</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: 701530.054.04
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 'Paul 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

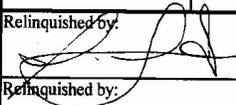
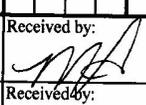
Reported:
02/14/18 14:49

Summit Scientific

741 Corporate Circle Suite I ♦ Golden, Colorado 80401 1702122
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	

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										
SW-14 @ 6'	2/18/2018	1235	1			x			x										
SW-15 @ 6'	2/18/2018	1240	1			x			x										
SW-16 @ 6'	2/18/2018	1245	1			x			x										
Relinquished by: 	Date/Time: 2/13/18 5:30	Received by: 	Date/Time: 2/13/18 1530	Turn Around Time (Check)				Notes:											
				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"/>															
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:															
				Temperature Upon Receipt: 23.2°C															
				Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															

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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

Sample Receipt Checklist

S2 Work Order: 1702102
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)	<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⁾ ?			<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

2/13/18 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

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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-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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		98.5 %	23-173		"	"	02/14/18	"	
<i>Surrogate: Toluene-d8</i>		86.9 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		330 %	23-173		"	"	02/14/18	"	S-02
<i>Surrogate: Toluene-d8</i>		79.0 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		562 %	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:
02/14/18 14:49

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802135 - EPA 3550A

Blank (1802135-BLK1)				Prepared: 02/13/18 Analyzed: 02/14/18							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0417</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0413</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

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			
<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>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</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:
02/14/18 14:49

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

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

Batch 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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0440</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0418</i>		<i>"</i>	<i>0.0400</i>		<i>104</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:
02/14/18 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,



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

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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:
02/18/18 14:08

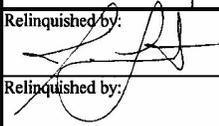
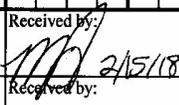
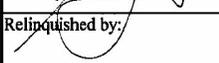
1802164

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	Project Manager: Colby Sterling
Address: 1811 East Mulberry	E-Mail: csterling@talonlpe.com and jgalles@talonlpe.com
City/State/Zip: Fort Collins, CO 80524	Project Name: Razor 27I
Phone: 970-818-5330 Fax:	Project Number: 701530.054.03
Sampler Name: Jason Leverton	

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-18@6'	2/14/2018	12:30	1		x							x	x					
SW-19@6'	2/14/2018	12:35	1		x							x	x					
Relinquished by: 	Date/Time: 2.15.18 15:45	Received by: 	Date/Time: 2/15/18 1545	Turn Around Time (Check)														
Relinquished by: 	Date/Time:	Received by:	Date/Time:	Same Day	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>											
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	24 Hours	<input checked="" type="checkbox"/>	Standard	<input type="checkbox"/>											
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	48 Hours	<input type="checkbox"/>													
				Sample Integrity:														
				Temperature Upon Receipt: 19.3°C														
				Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														

www.s2scientific.com

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:
02/18/18 14:08

1802164

Sample Receipt Checklist

S2 Work Order: _____
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)	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: <i>o</i> -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

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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:
02/18/18 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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		104 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	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: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/18/18 14:08

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802180 - EPA 3550A

Blank (1802180-BLK1)

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

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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	
<i>Surrogate: o-Terphenyl</i>	17.6		"	12.5		141	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:
02/18/18 14:08

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

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

Batch 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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0432</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0419</i>		<i>"</i>	<i>0.0400</i>		<i>105</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: 701530.054.03
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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0440</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0417</i>		<i>"</i>	<i>0.0400</i>		<i>104</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: 701530.054.03
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', written in a cursive style.

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.

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

2/22/18 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: <i>o</i> -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: <i>o</i> -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

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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

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

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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

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

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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

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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		115 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		96.2 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		135 %	21-167		"	"	"	"	

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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

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: <i>o</i> -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		"	"	"	"	

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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

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: <i>o</i> -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: <i>o</i> -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

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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802228 - EPA 3550A

Blank (1802228-BLK1)

Prepared & Analyzed: 02/22/18

C10-C28 (DRO)	ND	50	mg/kg							
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -Terphenyl	13.0		"	12.5		104	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:
02/23/18 16:02

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

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

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0397</i>		<i>"</i>	<i>0.0400</i>		<i>99.2</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>97.9</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0428</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0388</i>		<i>"</i>	<i>0.0400</i>		<i>97.0</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0499</i>		<i>"</i>	<i>0.0400</i>		<i>125</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:
02/23/18 16:02

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

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

Batch 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
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0421</i>		<i>"</i>	<i>0.0400</i>		<i>105</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0436</i>		<i>"</i>	<i>0.0400</i>		<i>109</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:
02/23/18 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', written in a cursive style.

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

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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:
02/28/18 07:46

Summit Scientific

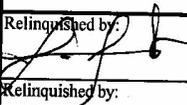
741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

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

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-32 @ 6'	2/26/2018	1105	1		x			x				x	x					
Relinquished by: 	Date/Time: 2-27-18 9:00	Received by: 	Date/Time: 2-27-18 9:00	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:	59													
				Intact: Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>											

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S₂

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.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>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, H ₂ SO ₄ , NaOH, HNO ₃ , 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.

Murip
Custodian Printed Name

MS 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: <i>o</i> -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

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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:
02/28/18 07:46

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802265 - EPA 3550A

Blank (1802265-BLK1)

Prepared & Analyzed: 02/27/18

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	<i>11.0</i>		"	<i>12.5</i>		<i>88.1</i>	<i>30-150</i>				

LCS (1802265-BS1)

Prepared & Analyzed: 02/27/18

C10-C28 (DRO)	458	50	mg/kg	499		91.8	73-134				
<i>Surrogate: o-Terphenyl</i>	<i>11.1</i>		"	<i>12.5</i>		<i>88.8</i>	<i>30-150</i>				

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				
<i>Surrogate: o-Terphenyl</i>	<i>9.19</i>		"	<i>12.5</i>		<i>73.5</i>	<i>30-150</i>				

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		
<i>Surrogate: o-Terphenyl</i>	<i>11.6</i>		"	<i>12.5</i>		<i>92.9</i>	<i>30-150</i>				

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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:
02/28/18 07:46

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

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

Batch 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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0371</i>		<i>"</i>	<i>0.0400</i>		<i>92.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0381</i>		<i>"</i>	<i>0.0400</i>		<i>95.2</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0383</i>		<i>"</i>	<i>0.0400</i>		<i>95.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.2</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0432</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0382</i>		<i>"</i>	<i>0.0400</i>		<i>95.6</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.6</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: 701530.054.03
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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0434</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0381</i>		<i>"</i>	<i>0.0400</i>		<i>95.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.4</i>	<i>21-167</i>			

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 'Paul Shrewsbury', written in a cursive style.

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

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 271
Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/28/18 07:47

Summit Scientific

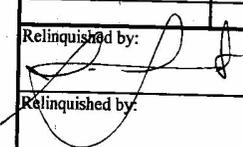
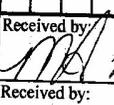
741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

1862271

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-33 @ 6'	2/27/2018	1230	1		x													
Relinquished by: 	Date/Time: 2/27/18 15:55	Received by: 	Date/Time: 2/27/18 1558	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: 21.4°C														
				Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No														

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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:
 02/28/18 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: _____ (Describe)

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, 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 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: <i>o</i> -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	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch 1802265 - EPA 3550A

Blank (1802265-BLK1)				Prepared & Analyzed: 02/27/18							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0407</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0371</i>		<i>"</i>	<i>0.0400</i>		<i>92.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0381</i>		<i>"</i>	<i>0.0400</i>		<i>95.2</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0383</i>		<i>"</i>	<i>0.0400</i>		<i>95.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.2</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0432</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0382</i>		<i>"</i>	<i>0.0400</i>		<i>95.6</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.6</i>	<i>21-167</i>			

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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0434</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0381</i>		<i>"</i>	<i>0.0400</i>		<i>95.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0386</i>		<i>"</i>	<i>0.0400</i>		<i>96.4</i>	<i>21-167</i>			

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 'Paul 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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 271

Project Number: 701530.054.03
Project Manager: Colby Sterling

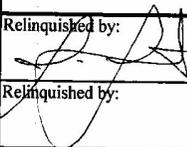
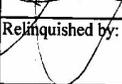
Reported:
03/01/18 06:43

Summit Scientific

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401 (80230)
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 271
Phone: 970-818-5330 Fax:	Project Number: 701530.054.03
Sampler Name: Jason Leverton	

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-34 @ 6'	2/28/2018	1150	1		x			x				x	x					
Relinquished by: 	Date/Time: 2/28/18 1440	Received by: 	Date/Time: 2/28/18 1440	Turn Around Time (Check)					Notes:									
Relinquished by: 	Date/Time:	Received by:	Date/Time:	Same Day	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>											
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	24 Hours	<input checked="" type="checkbox"/>	Standard	<input type="checkbox"/>											
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	48 Hours	<input type="checkbox"/>													
				Sample Integrity:														
				Temperature Upon Receipt: 21.5°C														
				Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No														

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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

Sample Receipt Checklist

S2 Work Order: 1802301
 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>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 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 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):				

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: <i>o</i> -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

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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802275 - EPA 3550A

Blank (1802275-BLK1)				Prepared & Analyzed: 02/28/18							
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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	
<i>Surrogate: o-Terphenyl</i>	13.1		"	12.5		105	30-150				

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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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0341</i>		<i>"</i>	<i>0.0400</i>		<i>85.3</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0352</i>		<i>"</i>	<i>0.0400</i>		<i>88.0</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0417</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0372</i>		<i>"</i>	<i>0.0400</i>		<i>93.1</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0369</i>		<i>"</i>	<i>0.0400</i>		<i>92.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0448</i>		<i>"</i>	<i>0.0400</i>		<i>112</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</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: 701530.054.03
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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0395</i>		<i>"</i>	<i>0.0400</i>		<i>98.8</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0359</i>		<i>"</i>	<i>0.0400</i>		<i>89.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0406</i>		<i>"</i>	<i>0.0400</i>		<i>101</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: 701530.054.03
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,



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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Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 27I

Project Number: 701530.054.03
Project Manager: Colby Sterling

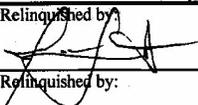
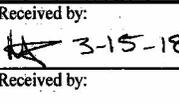
Reported:
03/16/18 06:23

Summit Scientific

741 Corporate Circle Suite 1 ♦ Golden, Colorado 80401 /803201
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/Levi Kirk	

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-36 @ 8'	3/15/2018	1410	1		x			x				x	x						
Relinquished by: 	Date/Time: 3.15.18 16:00	Received by: 	Date/Time: 3-15-18 16:00	Turn Around Time (Check)				Notes:											
Relinquished by:	Date/Time:	Received by:	Date/Time:	Same Day	<input type="checkbox"/>	72 Hours	<input type="checkbox"/>												
Relinquished by:	Date/Time:	Received by:	Date/Time:	24 Hours	<input checked="" type="checkbox"/>	Standard	<input type="checkbox"/>												
Relinquished by:	Date/Time:	Received by:	Date/Time:	48 Hours	<input type="checkbox"/>		<input type="checkbox"/>												
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:															
				Temperature Upon Receipt: 6.1															
				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:
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.	<input checked="" type="checkbox"/>			
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 due within 48 hours present?	<input checked="" type="checkbox"/>			
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?				
Does the COC match 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.			<input checked="" type="checkbox"/>	
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ? Note the type of preservative in the Comments column – HCL, H2SO4, NaOH, HNO3, etc.			<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.

Muri
Custodian Printed Name or Initials

M 3-15-18
Signature of Custodian

17:45
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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		107 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.8 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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	Result	Reporting		Spike Level	Source		%REC		RPD		Notes
		Limit	Units		Result	%REC	Limits	RPD	Limit		

Batch 1803193 - EPA 3550A

Blank (1803193-BLK1)

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

C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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	
<i>Surrogate: o-Terphenyl</i>	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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.5</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0365</i>		<i>"</i>	<i>0.0400</i>		<i>91.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0376</i>		<i>"</i>	<i>0.0400</i>		<i>94.1</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0380</i>		<i>"</i>	<i>0.0400</i>		<i>95.1</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0383</i>		<i>"</i>	<i>0.0400</i>		<i>95.8</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0427</i>		<i>"</i>	<i>0.0400</i>		<i>107</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0382</i>		<i>"</i>	<i>0.0400</i>		<i>95.4</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0391</i>		<i>"</i>	<i>0.0400</i>		<i>97.6</i>	<i>21-167</i>			

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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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0417</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0387</i>		<i>"</i>	<i>0.0400</i>		<i>96.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.2</i>	<i>21-167</i>			

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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,



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

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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

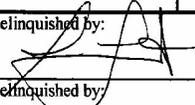
Summit Scientific

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	Project Manager: Colby Sterling
Address: 1811 East Mulberry	E-Mail: csterling@talonpe.com and jleverton@talonpe.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	

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:							
				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"/>											
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:											
				Temperature Upon Receipt: 15.3°C											
				Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No											

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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

Sample Receipt Checklist

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

Cooler ID					
Temp (°C)	15.3				

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

2/19/18 11:00
Date/Time

[Signature]



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: <i>o</i> -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

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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-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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		108 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		95.5 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		107 %	21-167		"	"	"	"	

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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-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		"	"	"	"	

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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: <i>o</i> -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		"	"	"	"	

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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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802205 - EPA 3550A

Blank (1802205-BLK1)				Prepared & Analyzed: 02/19/18							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -Terphenyl	11.6		"	12.5		92.5	30-150				

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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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0409</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0381</i>		<i>"</i>	<i>0.0400</i>		<i>95.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.6</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0392</i>		<i>"</i>	<i>0.0400</i>		<i>98.1</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0393</i>		<i>"</i>	<i>0.0400</i>		<i>98.3</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0391</i>		<i>"</i>	<i>0.0400</i>		<i>97.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0399</i>		<i>"</i>	<i>0.0400</i>		<i>99.8</i>	<i>21-167</i>			

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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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0445</i>		<i>"</i>	<i>0.0400</i>		<i>111</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>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>100</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:
02/21/18 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,



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.



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Razor 271

Project Number: 701530.057.02
Project Manager: Colby Sterling

Reported:
02/16/18 07:27

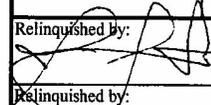
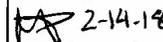
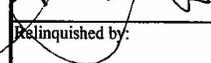
Summit Scientific

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

1802142

Page 1 of 1

Client: Talon/LPE - Bill to Whiting	Project Manager: Colby Sterling
Address: 1811 East Mulberry	E-Mail: csterling@talonlpe.com and jgalles@talonlpe.com
City/State/Zip: Fort Collins, CO 80524	Project Name: Razor 271
Phone: 970-818-5330 Fax:	Project Number: 701530.054.03
Sampler Name: Jason Leverton	

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-17@6'	2/14/2018	11:45	1		x			x				x	x	x						
Relinquished by: 	Date/Time: 2-14-18 15:00	Received by: 	Date/Time: 2-14-18 15:00	Turn Around Time (Check)																
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 checked="" type="checkbox"/>		48 Hours	<input type="checkbox"/>						
Relinquished by:	Date/Time:	Received in Lab by:	Date/Time:	Sample Integrity:																
				Temperature Upon Receipt: 12.1																
				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: 701530.057.02
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.D. (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

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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802161 - EPA 3550A

Blank (1802161-BLK1)				Prepared: 02/14/18 Analyzed: 02/15/18							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0393</i>		<i>"</i>	<i>0.0400</i>		<i>98.2</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0410</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0416</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0438</i>		<i>"</i>	<i>0.0400</i>		<i>110</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0402</i>		<i>"</i>	<i>0.0400</i>		<i>100</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

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

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

Batch 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 271

Project Number: 701530.054.03
Project Manager: Colby Sterling

Reported:
02/08/18 15:15

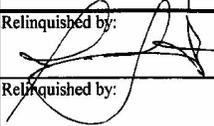
Summit Scientific

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	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 271
Phone: 970-818-5330 Fax:	Project Number: 701530.054.03
Sampler Name: Jason Leverton/Jennifer Galles	

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-9 @ 6'	2/7/2018	1115	1		x													
SW-10 @ 6'	2/7/2018	1120	1		x													
SW-11 @ 6'	2/7/2018	1125	1		x													
SW-12 @ 6'	2/7/2018	1130	1		x													
Relinquished by: 				Date/Time: 2-7-18 15:30	Received by: 				Date/Time: 2-7-18 15:30	Turn Around Time (Check)				Notes:				
Relinquished by:				Date/Time:	Received by:				Date/Time:	Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>								
Relinquished by:				Date/Time:	Received in Lab by:				Date/Time:	24 Hours <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>								
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: 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>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"/>	<input type="checkbox"/>	<input type="checkbox"/>	
NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.				
Were all samples received intact ⁽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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input 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				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				
⁽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

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-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
<i>Surrogate: o-Terphenyl</i>		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
<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-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

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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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1802066 - EPA 3550A

Blank (1802066-BLK1)				Prepared & Analyzed: 02/07/18							
C10-C28 (DRO)	ND	50	mg/kg								
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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				
<i>Surrogate: o-Terphenyl</i>	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	
<i>Surrogate: o-Terphenyl</i>	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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0396</i>		<i>"</i>	<i>0.0400</i>		<i>99.1</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0391</i>		<i>"</i>	<i>0.0400</i>		<i>97.7</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0411</i>		<i>"</i>	<i>0.0400</i>		<i>103</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0417</i>		<i>"</i>	<i>0.0400</i>		<i>104</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0403</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0415</i>		<i>"</i>	<i>0.0400</i>		<i>104</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: 701530.054.03
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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0426</i>		<i>"</i>	<i>0.0400</i>		<i>106</i>	<i>23-173</i>		
<i>Surrogate: Toluene-d8</i>	<i>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0413</i>		<i>"</i>	<i>0.0400</i>		<i>103</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: 701530.054.03
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', written in a cursive style.

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

1801310

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	x		
SW-2 @ 6'	1/30/2018	1320	1		x			x				x	x		
SW-3 @ 10'	1/30/2018	1322	1		x			x				x	x		
SW-4 @ 6'	1/30/2018	1323	1		x			x				x	x		
SW-5 @ 6'	1/30/2018	1326	1		x			x				x	x		
SW-6 @ 5'	1/30/2018	1330	1		x			x				x	x		
SW-7 @ 6.5'	1/30/2018	1334	1		x			x				x	x		
SW-8 @ 5'	1/30/2018	1340	1		x			x				x	x		
Relinquished by: Date/Time: 1-30-18 1535				Received by: Date/Time: 1/30/18 1535				Turn Around Time (Check)				Notes:			
								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"/>							
Relinquished by:				Received in Lab by:				Sample Integrity:							
								Temperature Upon Receipt: 14.8°C							
								Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No							

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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

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, 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

1/30/18 1600
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:
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: <i>o</i> -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

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-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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		106 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	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: 701530.054.03
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
<i>Surrogate: o-Terphenyl</i>		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
<i>Surrogate: 1,2-Dichloroethane-d4</i>		105 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		149 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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: <i>o</i> -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

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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

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1801307 - EPA 3550A

Blank (1801307-BLK1)				Prepared & Analyzed: 01/30/18							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0399</i>		<i>"</i>	<i>0.0400</i>		<i>99.7</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0394</i>		<i>"</i>	<i>0.0400</i>		<i>98.5</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0422</i>		<i>"</i>	<i>0.0400</i>		<i>106</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0399</i>		<i>"</i>	<i>0.0400</i>		<i>99.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0408</i>		<i>"</i>	<i>0.0400</i>		<i>102</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0424</i>		<i>"</i>	<i>0.0400</i>		<i>106</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0401</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0398</i>		<i>"</i>	<i>0.0400</i>		<i>99.5</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: 701530.054.03
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 blue ink, appearing to read 'P. Shrewsbury', written in a cursive style.

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

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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 ~~27I~~ 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)	<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 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.				

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

3/9/18 1430
Date/Time

[Signature]



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

Batch 1803125 - EPA 3550A

Blank (1803125-BLK1)				Prepared: 03/09/18 Analyzed: 03/10/18							
C10-C28 (DRO)	ND	50	mg/kg								
Surrogate: <i>o</i> -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: <i>o</i> -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: <i>o</i> -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: <i>o</i> -Terphenyl	13.2		"	12.5		106	30-150				

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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		Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	"							
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0405</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0366</i>		<i>"</i>	<i>0.0400</i>		<i>91.4</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0375</i>		<i>"</i>	<i>0.0400</i>		<i>93.8</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0404</i>		<i>"</i>	<i>0.0400</i>		<i>101</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0383</i>		<i>"</i>	<i>0.0400</i>		<i>95.8</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0383</i>		<i>"</i>	<i>0.0400</i>		<i>95.8</i>	<i>21-167</i>			

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			
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0448</i>		<i>"</i>	<i>0.0400</i>		<i>112</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0385</i>		<i>"</i>	<i>0.0400</i>		<i>96.3</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0390</i>		<i>"</i>	<i>0.0400</i>		<i>97.4</i>	<i>21-167</i>			

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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	Notes
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	

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	
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>0.0431</i>		<i>"</i>	<i>0.0400</i>		<i>108</i>	<i>23-173</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.0380</i>		<i>"</i>	<i>0.0400</i>		<i>95.0</i>	<i>20-170</i>			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.0400</i>		<i>"</i>	<i>0.0400</i>		<i>100</i>	<i>21-167</i>			

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Project: Razor 27I
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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