

talonlpe.com • 866.742.0742



**Nelson C-1
Groundwater Monitoring Report - 2018
Remediation Project No. 9146**

March 1, 2019

Prepared By:
Talon/LPE
1811 East Mulberry Street
Fort Collins, CO 80524

Prepared For:
Whiting Petroleum Corporation

Table of Contents

1	Introduction	1
2	Objective	1
3	Regulatory Framework.....	1
4	Site Characteristics	1
5	Field Investigation Activities	2
6	Groundwater Monitoring.....	2
7	Product Removal and Gauging.....	3
8	Conclusions & Recommendations	3

Attachment 1 - Figures

Attachment 2 - Tables

Attachment 3 - Analytical Report

1 Introduction

Talon/LPE (Talon) was contracted by Whiting Petroleum Corporation (Whiting) to conduct groundwater monitoring activities at the Nelson C1 site (Site) in Weld County, Colorado. The site is located at the northwest quarter of the southeast quarter of Section 18, Township 10 North, Range 58 West, 6th Principal Meridian at 40°50'10.72"N and 103°54'17.73"W (Attachment 1). The site is identified by the State of Colorado Oil and Gas Conservation Commission (COGCC) as Spill/Release Point Facility ID 441208 and as Remediation Project Number 9146. The Site Plan is shown on Figure 1, and the general site location is shown on Figure 18.

2 Objective

The primary objective of this document is to report on-site activities completed during 2018 which included well installation, quarterly groundwater monitoring and product removal.

3 Regulatory Framework

The COGCC has regulatory jurisdiction over oil and natural gas industry operations in the State of Colorado. Section 900 of the COGCC Rules is for Exploration and Production Waste Management. More specifically, Section 910 details the Concentrations and Sampling for Soil and Groundwater rules. The regulatory limits for specific analytes in groundwater are detailed in Table 910-1 and are summarized below.

Compound	COGCC Table 910-1 Groundwater Concentrations
Benzene	0.005 mg/L
Toluene	1.0 mg/L
Ethylbenzene	0.7 mg/L
Xylenes (total)	10 mg/L

4 Site Characteristics

4.1 Geography

The site is located in the Pawnee Grasslands in Weld County, which is the northeastern part of Colorado. The Grasslands are part of the Colorado Eastern Plains and are relatively flat with the exception of the Pawnee Creek which drains into the South Platte River.

4.2 Geologic Summary

Geology in this area consists of Oligocene age soils of the White River Group comprised of the Brule Formation and Chadron Formation. The Brule Formation consists of interbedded claystones, mudstones, and siltstones of grayish green color. Underlying the Brule Formation is the Chadron Formation comprised of sandstones, claystones, and conglomerates; color varies from yellowish-brown to olive-gray.

4.3 Groundwater

According to the Colorado Division of Water Resources Website, there are no water wells within 1,000-foot radius of the Site.

Depth to groundwater levels, as measured on December 27, 2018, in the 31 groundwater monitoring wells range from 27.64 (MW-9) to 42.54 (MW-27) feet below top of casing (Table 3), which are above-ground by approximately three (3) feet (ft). Several wells contain measurable amounts of phase-separated hydrocarbons (PSH) (Table 3 and Figures 2-5).

5 Field Investigation Activities

5.1 Monitoring Well Installation: MW-23 through MW-31

During April and May of 2018, Talon personnel oversaw Drilling Engineers advance nine (9) monitoring wells (MW-23, MW-24, MW-25, MW-26, MW-27, MW-28, MW-29, MW-30 and MW-31). All nine of the wells were drilled to approximately 30-55 feet below ground surface (bgs). The depths of the monitoring wells were determined in the field based on observed lithology, hydrocarbon odors, and photo ionization detector (PID) values; the goal was to drill until no further odors or elevated PIDs were observed and a confining lithologic layer was observed.

Soil samples were collected from each of the borings during drilling efforts from depths ranging from 10-55 ft bgs. Sample locations were determined based on elevated PID values. Additionally, soil samples were collected from the bottom of each boring and above the assumed groundwater interface to provide additional vertical delineation of any impacts. The collected soil samples were submitted to Summit Scientific (Summit) in Golden, Colorado for analysis of Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), total petroleum hydrocarbons (TPH) as gasoline range organics (GRO), and diesel range organics (DRO) via method SW8015. The remaining soils were stockpiled on-site on a plastic liner pending laboratory analytical results.

The nine (9) monitoring wells were constructed using 4-inch diameter Schedule 40 PVC casing and 10-slot screen. Each well was completed with 10/20 silica sand pack to two (2) ft above the top of the screen interval, sealed with bentonite chips to near-surface, and included an above-ground well mount in a concrete pad.

6 Groundwater Monitoring

Groundwater monitoring occurred on a quarterly basis, the monitoring wells were gauged for depth to water and depth to phase separated hydrocarbons (PSH) (Table 3). Wells with less than 0.01 feet of PSH were purged of three (3) well casing volumes, then sampled the following day. If three well casing volumes could not be purged, the wells would be bailed until dry, then allowed to recharge prior to sample collection the following day. During the months of March, June, September and December 2018, Talon personnel collected groundwater samples from the monitoring wells with PSH less than 0.01 feet and submitted the samples to Summit for analysis of BTEX. During Fourth Quarter 2018, monitoring wells MW-1, MW-3, MW-5, MW-6, MW-7, MW-15, MW-17, MW-20, MW-23, and MW-27 were not sampled due to the presence of PSH greater than 0.01 feet. Figures 14-17 show Quarterly groundwater elevation contours and the hydraulic gradient based on wells with no measurable PSH. Typically, the hydraulic gradient flows outward from MW-8 as the highest groundwater level elevation. During Fourth Quarter 2018, the hydraulic gradient has been calculated to be approximately 0.0082 ft/foot to the

southeast between monitoring wells MW-8 and MW-13 and approximately 0.0072 ft/foot to the north-northwest between monitoring wells MW-8 and MW-27.

Purge water generated during development and sampling was placed in poly containers within secondary containment pending off-site disposal.

Table 1 in Attachment 2 summarizes the well completion and survey information. Groundwater analytical results for 2018 are summarized in Table 2 and shown Quarterly on Figures 2-5.

Groundwater laboratory analytical results for Benzene ranged from below laboratory detection limits to 12 mg/L (MW-1 4th quarter and MW-8 2nd, 3rd and 4th quarters). Figures 6-9 show the Quarterly isoconcentration contours of dissolved-phase Benzene analytical results.

Analytical results for Toluene ranged from below laboratory detection limits to 18 mg/L (MW-27, 2nd quarter). Analytical results for Ethylbenzene ranged from below laboratory detection limits to 1.8 mg/L (MW-21, 4th quarter). Analytical results for total Xylenes ranged from below laboratory detection limits to 8.7 mg/L (MW-27, 2nd quarter).

A copy of laboratory reports and chain of custody documentations for each of the Quarterly groundwater monitoring events is included in Attachment 3.

7 Product Removal and Gauging

Talon gauging data has been collected semiweekly during 2018 via hand-bailing, with the exception of five wells with a QED SPG4 skimmer pump system installed. The skimmer pump system was installed at the site on June 20, 2018 in monitoring wells MW-3, MW-5, MW-7, MW-17, and MW-20, and was removed for the winter on October 31, 2019. Gauging data revealed the presence of PSH in monitoring wells MW-1, MW-3, MW-5, MW-6, MW-7, MW-15, MW-17, MW-20, MW-21, MW-23, MW-26 and MW-27. Figures 10-13 show contours of PSH thickness by Quarter.

Product recovery efforts were suspended for two weeks prior to each Quarterly groundwater sampling event to allow the fluid levels in each well to reach static equilibrium. Following the groundwater sampling event, product recovery efforts resumed. All waste produced by hand-bailing is stored on site in sealed, poly containers within secondary containment pending offsite disposal. During 2018, approximately 85 gallons of free product have been recovered from the site via hand-bailing, and approximately 200 gallons of free product have been recovered via the skimmer pump system. Table 4 summarizes PSH removal and recovery via hand-bailing; the table does not account for approximately 200 gallons of free product recovered using the skimmer pump system.

8 Conclusions & Recommendations

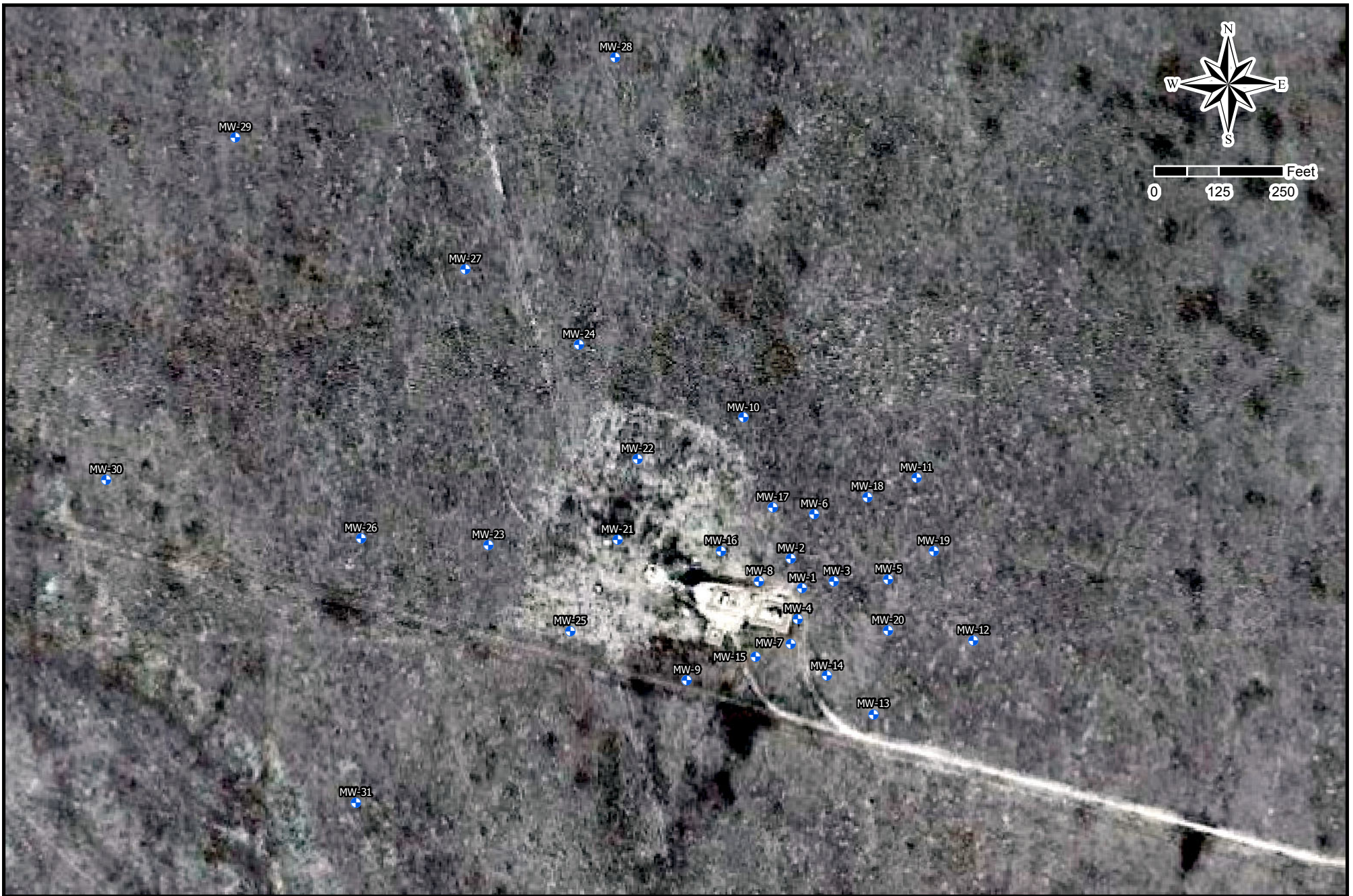
During each of the Quarterly groundwater monitoring events in 2018, Talon personnel collected groundwater samples from the monitoring wells with PSH less than 0.01 feet. The samples were analyzed at Summit for BTEX. Groundwater laboratory analytical results for Benzene ranged from below laboratory detection limits to 12 mg/L (MW-1 4th quarter and MW-8 2nd, 3rd and 4th

quarters). Analytical results for Toluene ranged from below laboratory detection limits to 18 mg/L (MW-27, 2nd quarter). Analytical results for Ethylbenzene ranged from below laboratory detection limits to 1.8 mg/L (MW-21, 4th quarter). Analytical results for total Xylenes ranged from below laboratory detection limits to 8.7 mg/L (MW-27, 2nd quarter). PSH was measured in 12 of the 31 monitoring wells ranging from 0.02 ft (MW-2) to 1.48 ft (MW-6).

The skimmer pump system was reinstalled at the site on June 20, 2018 in monitoring wells MW-3, MW-5, MW-7, MW-17, and MW-20. The skimmer pump system was removed on October 31, 2018 for the winter season and will be reinstalled in the spring of 2019. During 2018, approximately 85 gallons of free product have been recovered from the site via hand-bailing, and approximately 200 gallons of free product have been recovered via the skimmer pump system.

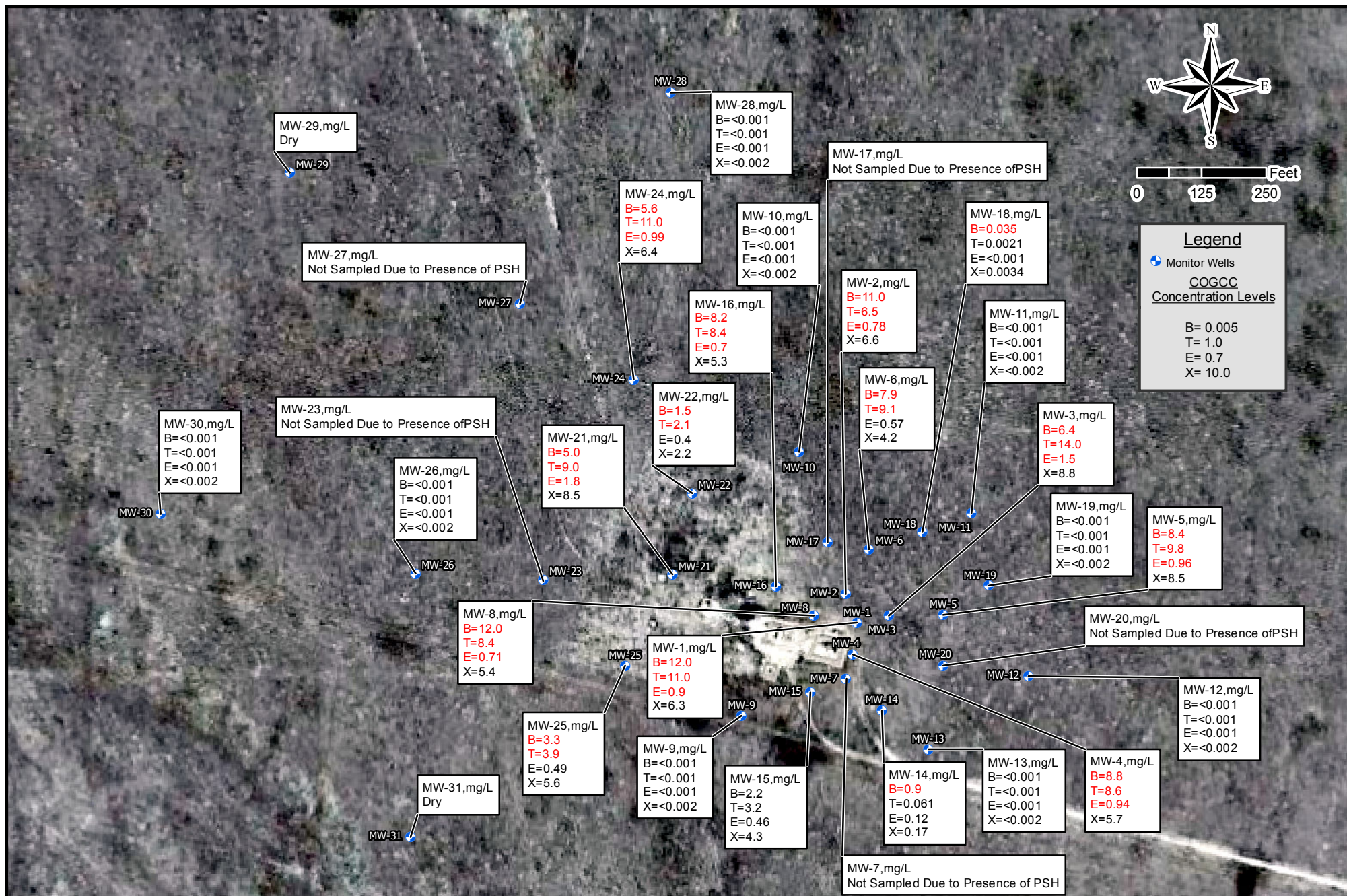
Talon will continue quarterly monitoring and product recovery at the Site. The next groundwater sampling event is anticipated to occur in March 2019.

Attachment 1
Figures



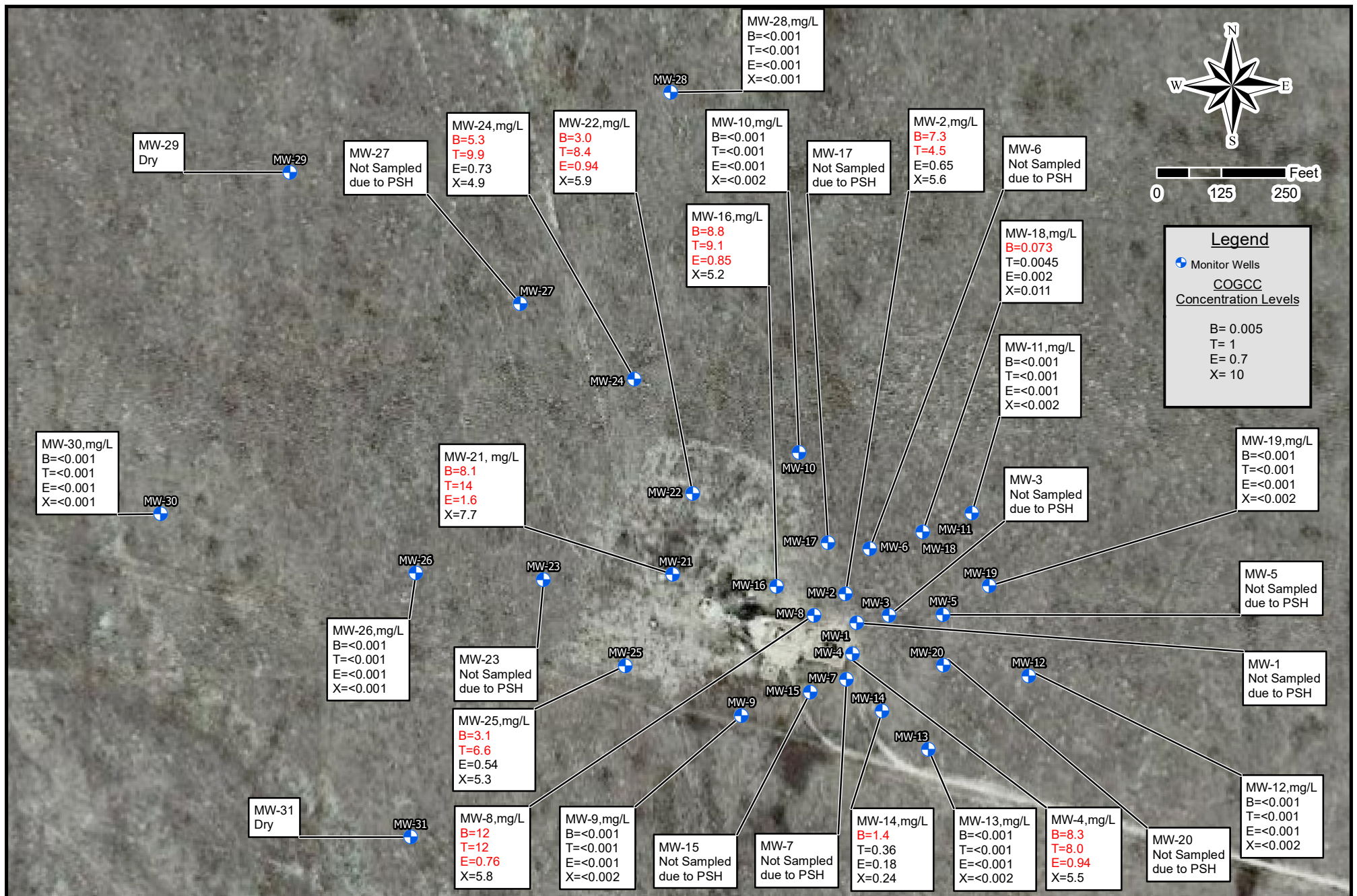
Drafted: 2/28/2019
1 in = 250 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure F - Site Map



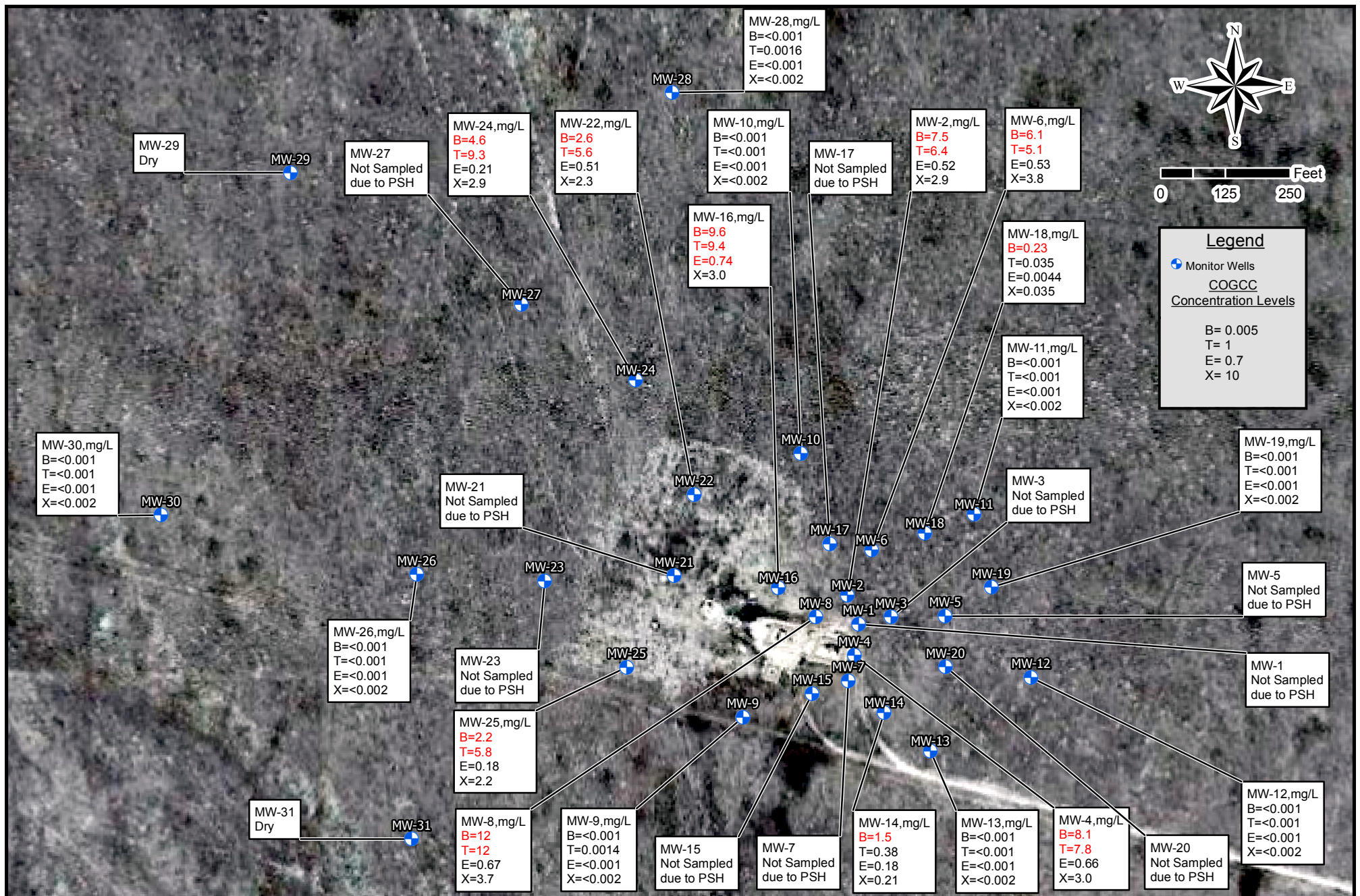
Drafted: 3/1/2019
1 in = 250 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure G-1 COGCC Groundwater Concentration Map



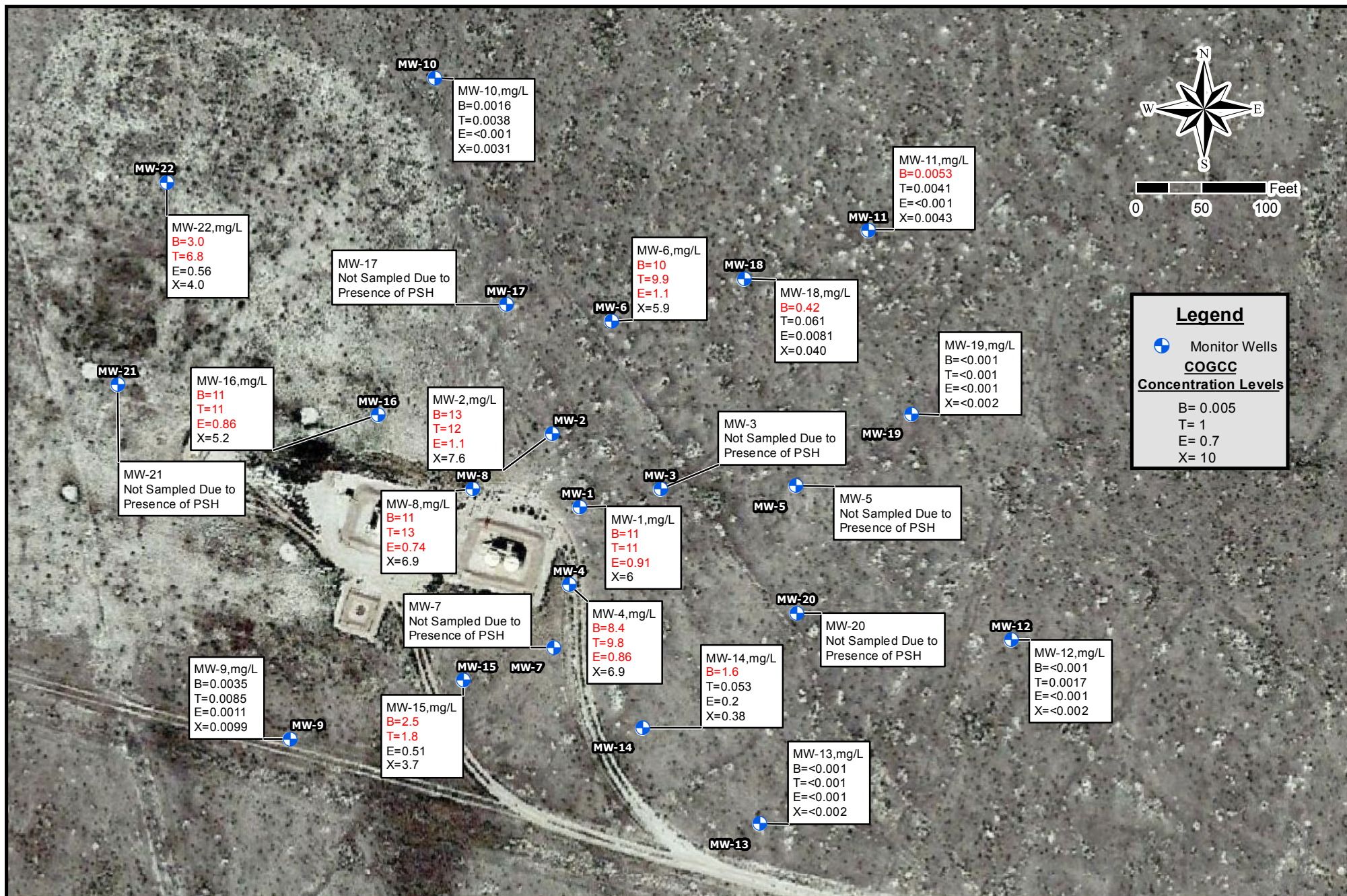
Drafted: 10/29/2018
1 in = 250 ft
Drafted By: FOM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure H- H&A ~ æ! ÅW Concentration Map



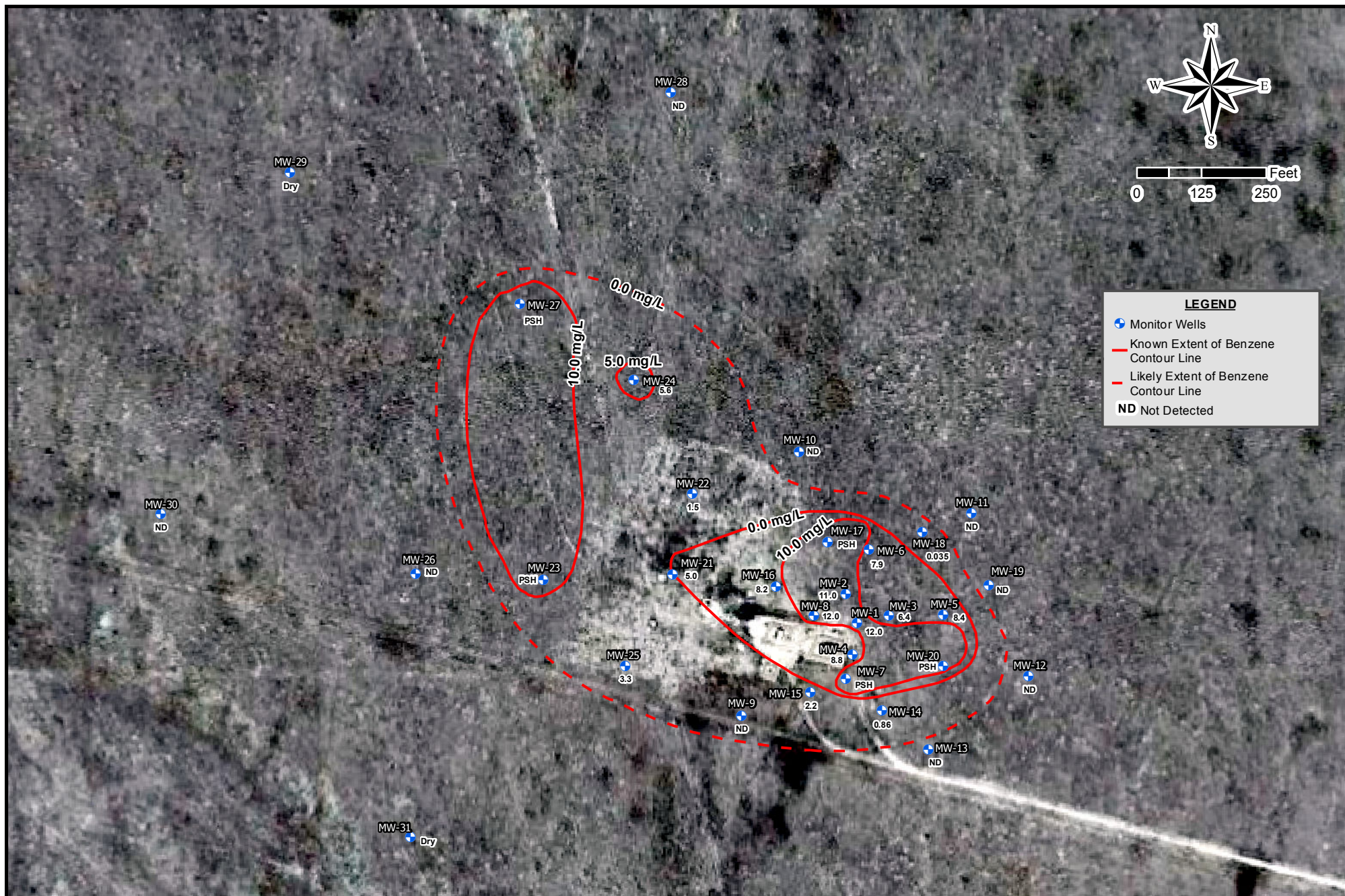
Drafted: 7/9/2018
1 in = 250 ft
Drafted By: FOM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure 4 - 2nd Quarter Groundwater Concentration Map



Drafted: 4/4/2018
 1 in = 100 ft
 Drafted By: IJM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 1 - F-01 Groundwater Concentration Map



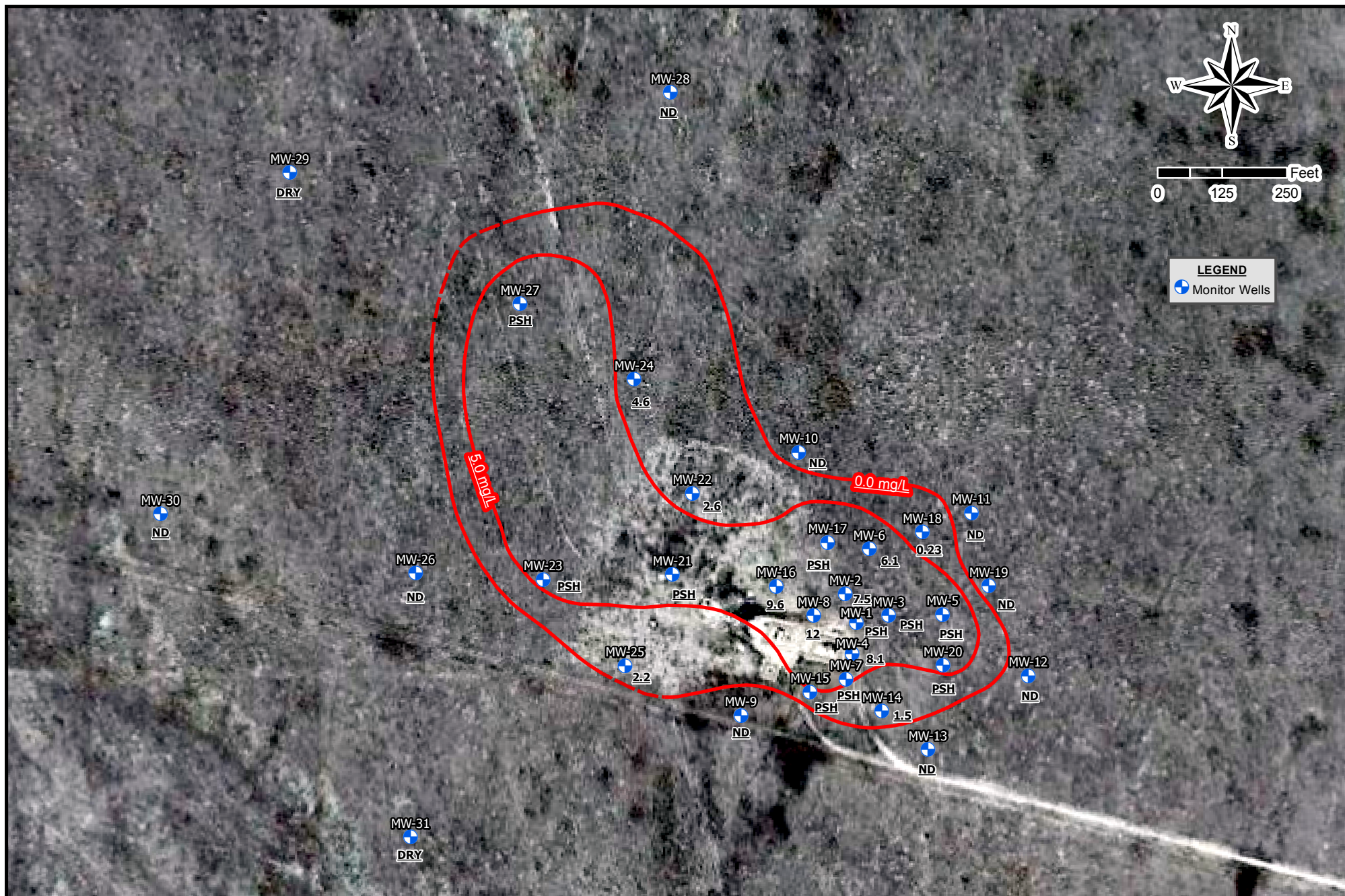
Drafted: 3/1/2019
1 in = 250 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure 6 - Isoconcentration Benzene Map



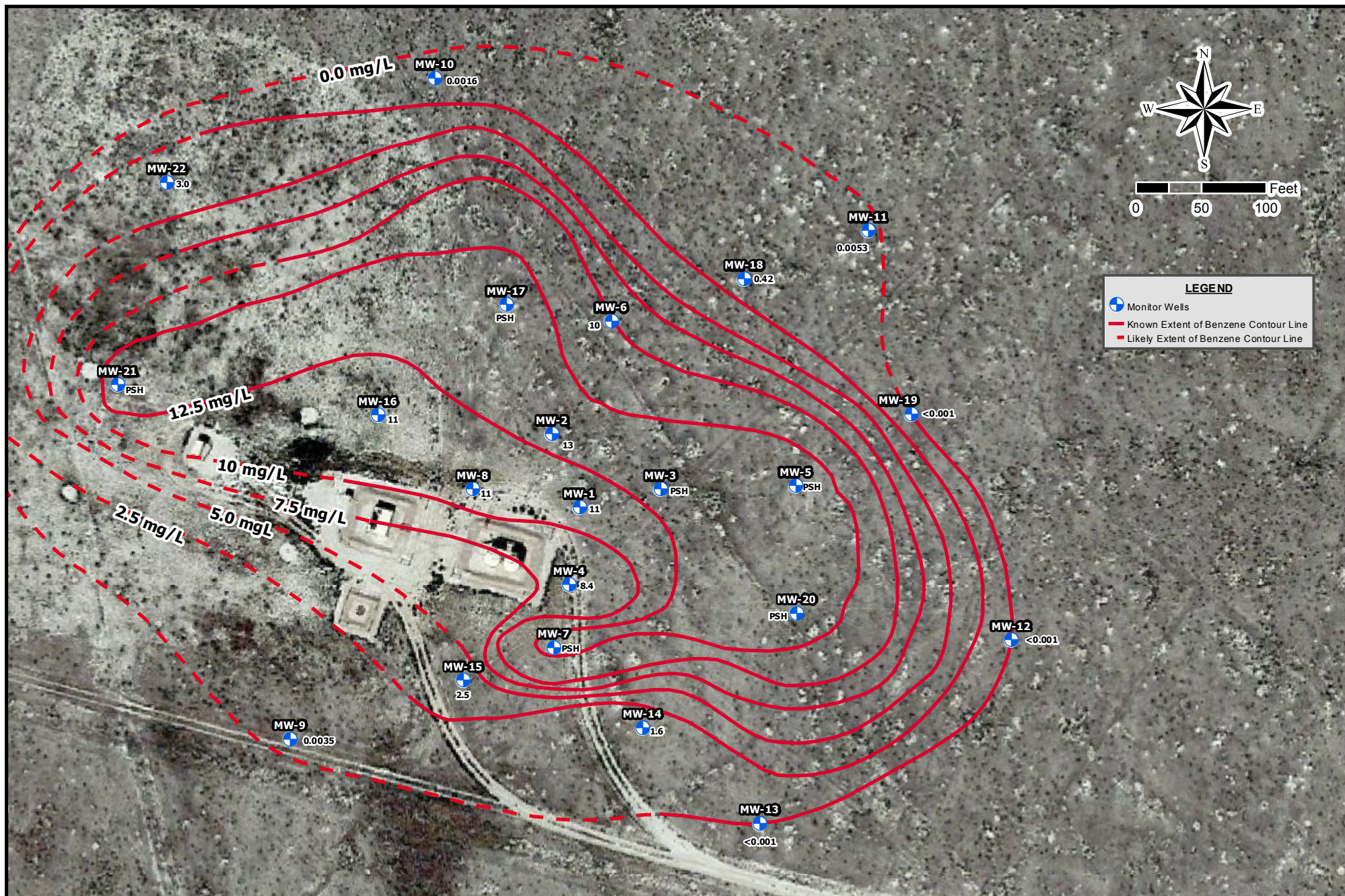
Drafted: 10/30/2018
 1 inch = 250 feet
 Drafted By: FOM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 7 - H₂O and Benzene Isoconcentration Map



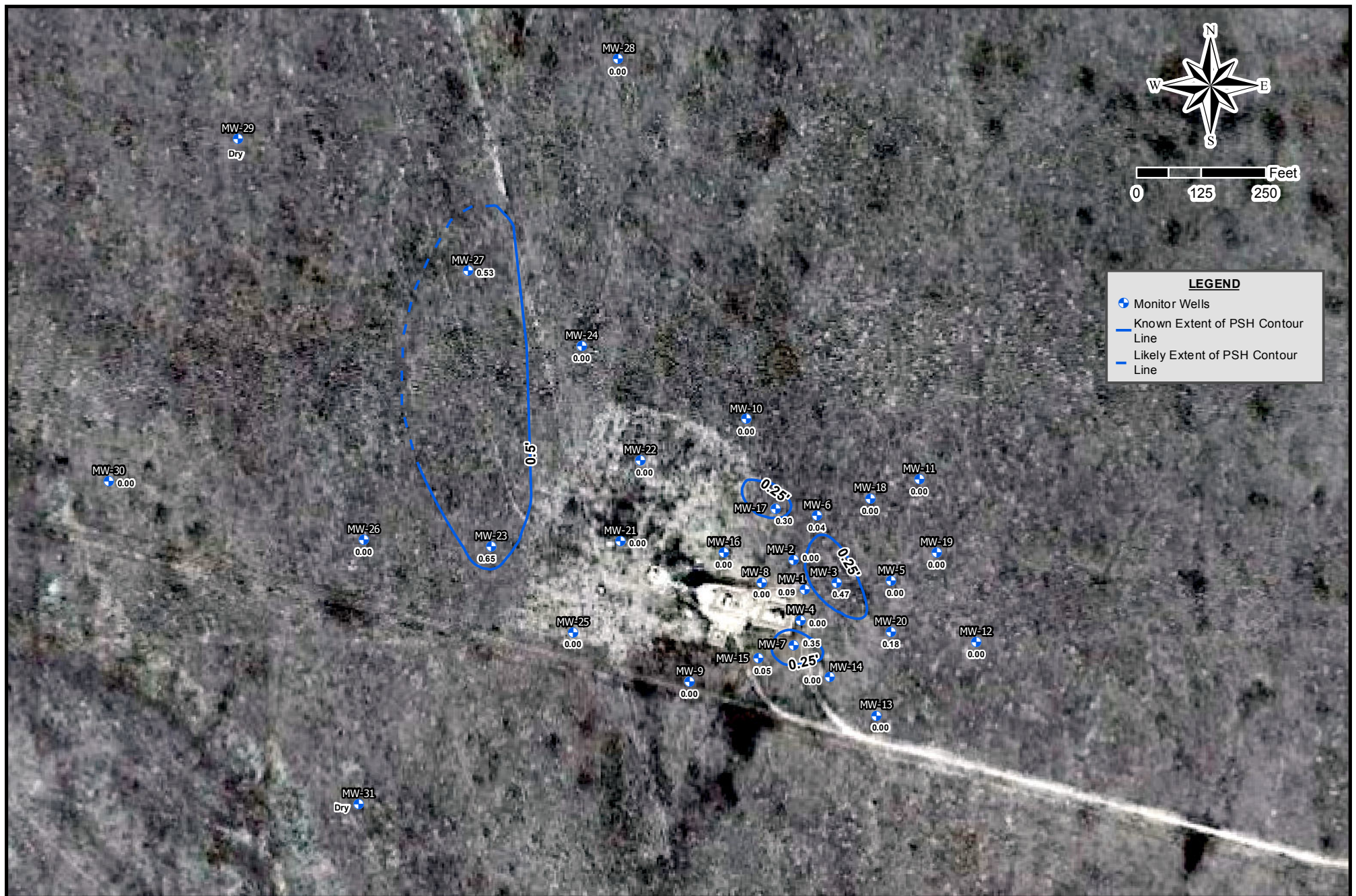
Drafted: 7/9/2018
 1 in = 250 ft
 Drafted By: FOM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 8 - Benzene Isoconcentration Map



Drafted: 4/4/2018
1 in = 100 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure 9 - Benzene Isoconcentration Map



Drafted: 2/28/2019
 1 in = 250 ft
 Drafted By: IJM

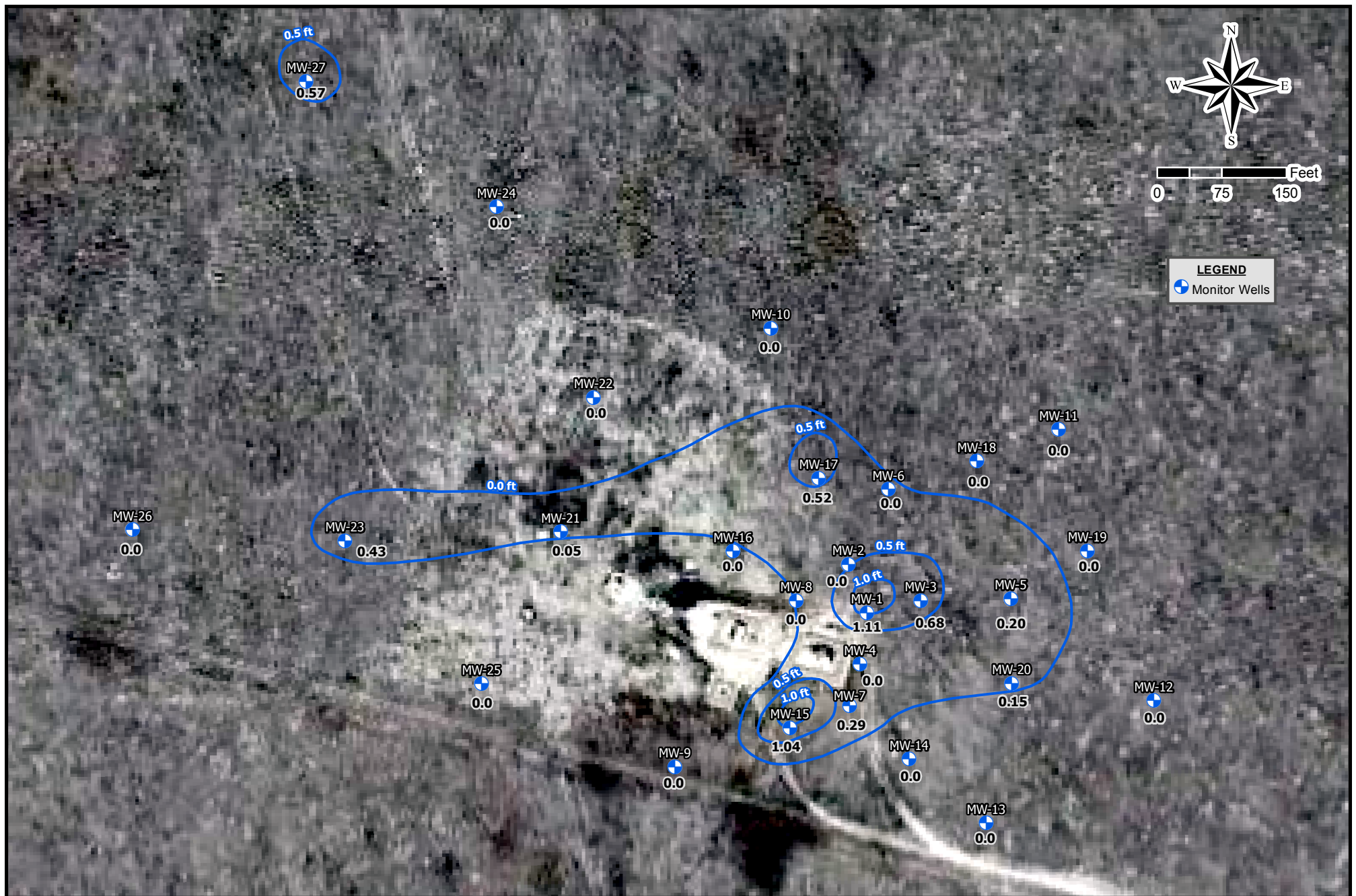
Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado

Figure 10 - Location of PSH Thickness Isoconcentration Map



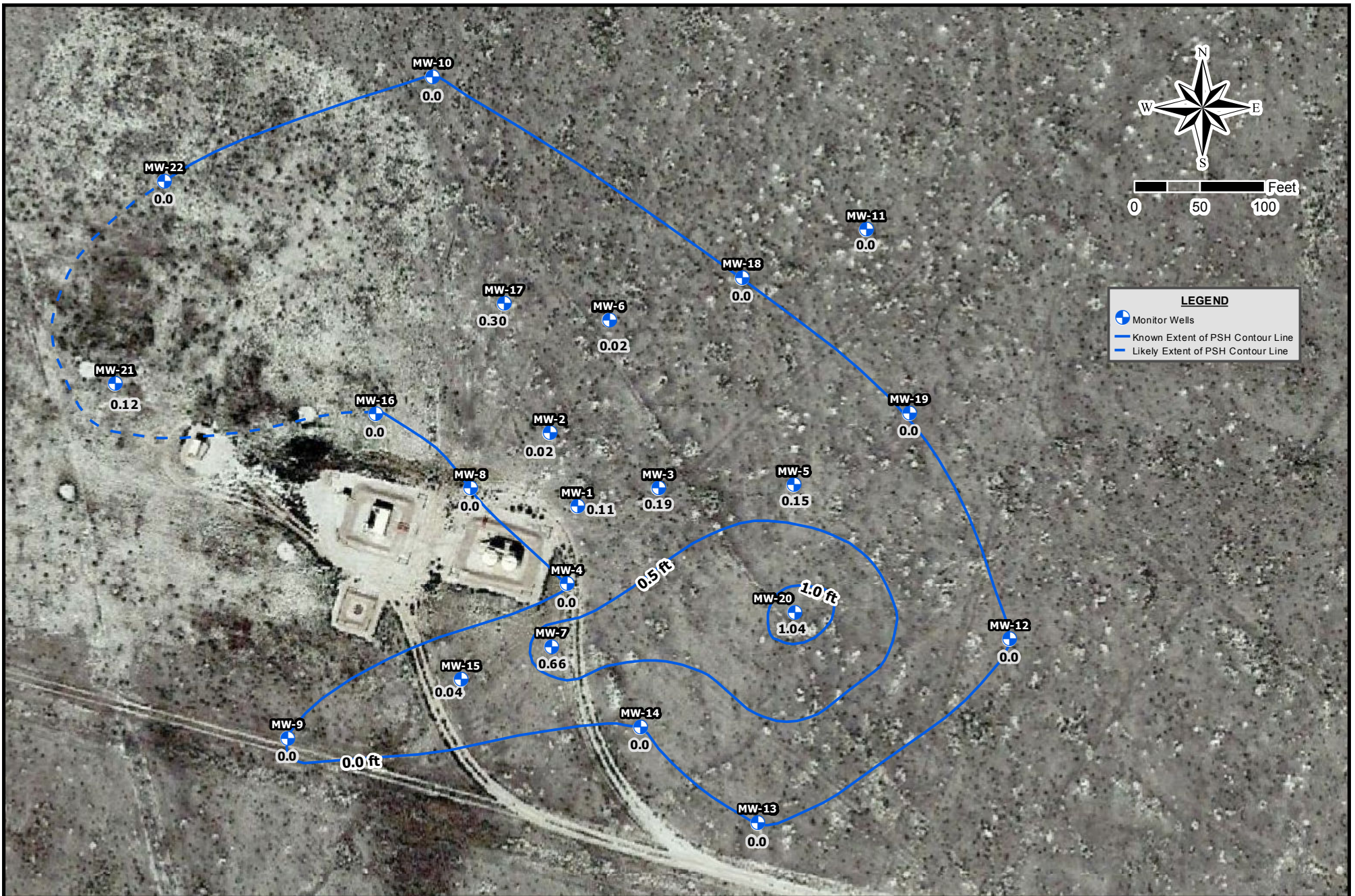
Drafted: 10/30/2018
 1 inch = 250 feet
 Drafted By: FOM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 11 - H₂S Thickness Isoconcentration Map



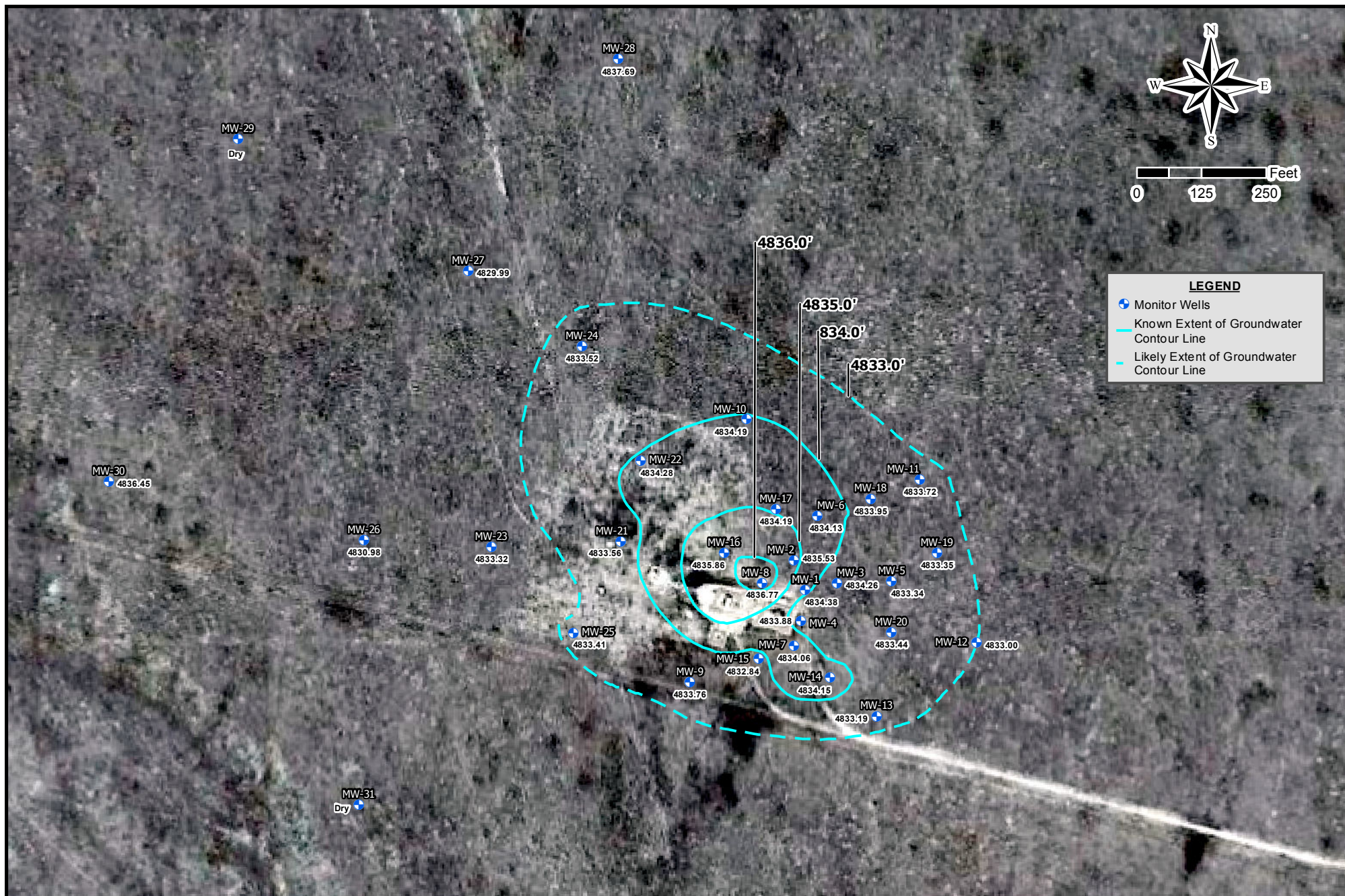
Drafted: 7/9/2018
 1 in = 150 ft
 Drafted By: FOM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 12 - G & A ~ æ ~ PSH Isoconcentration Map



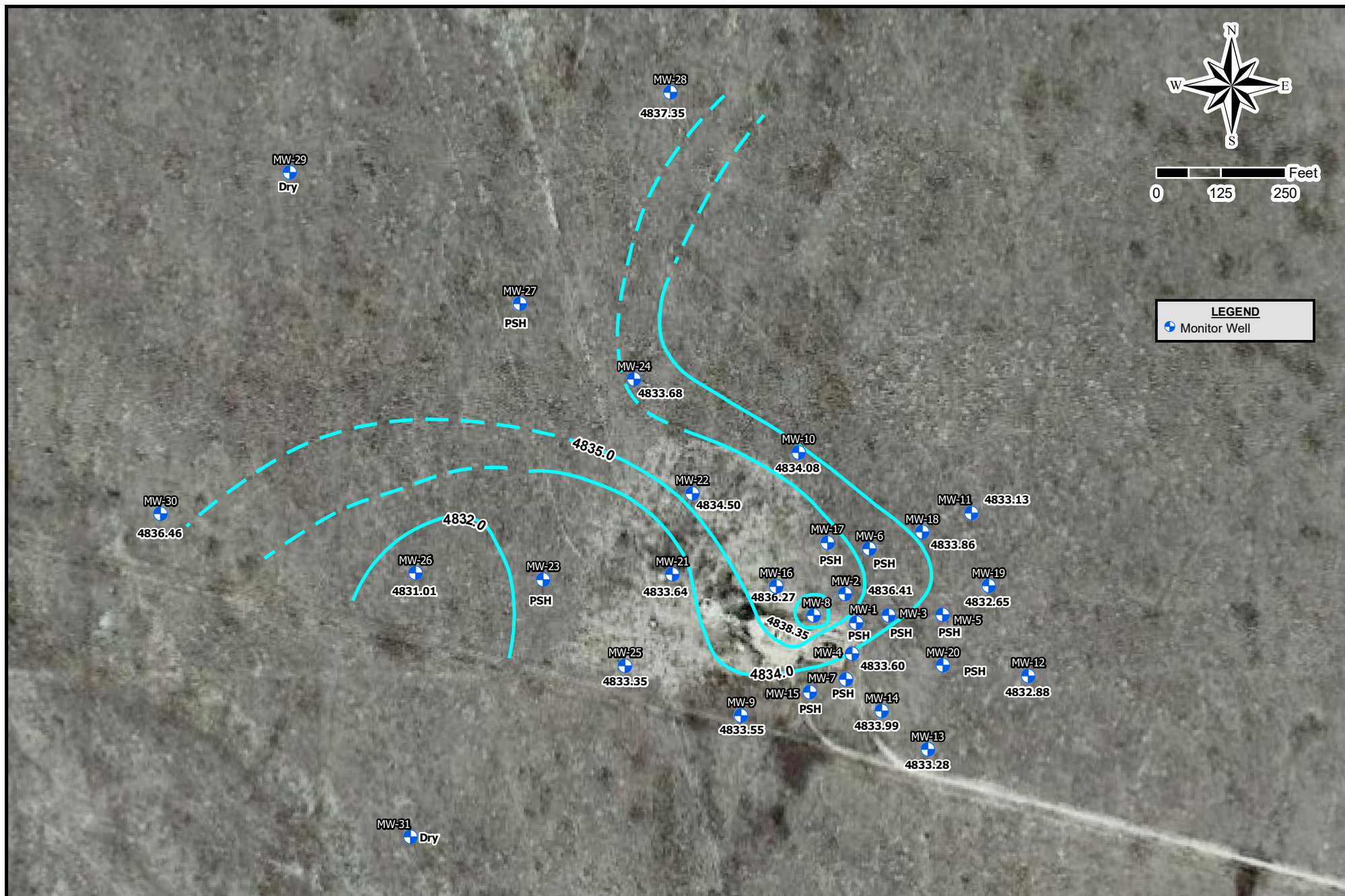
Drafted: 4/4/2018
 1 in = 100 ft
 Drafted By: IJM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 13 - F₂ and PSH Isoconcentration Map



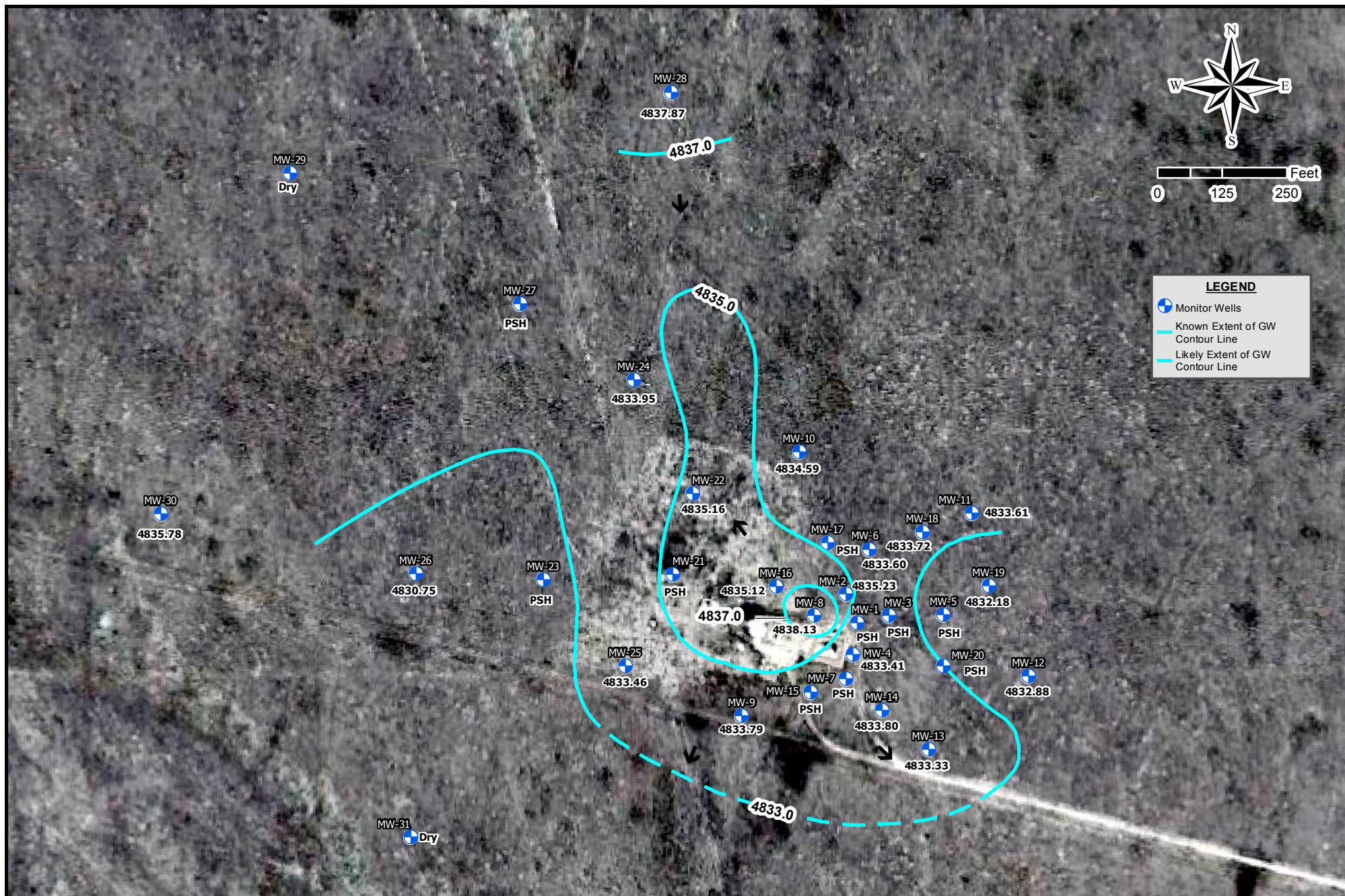
Drafted: 2/28/2019
1 in = 250 ft
Drafted By: IJM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure 14 - ICA and AG Groundwater Gradient Map



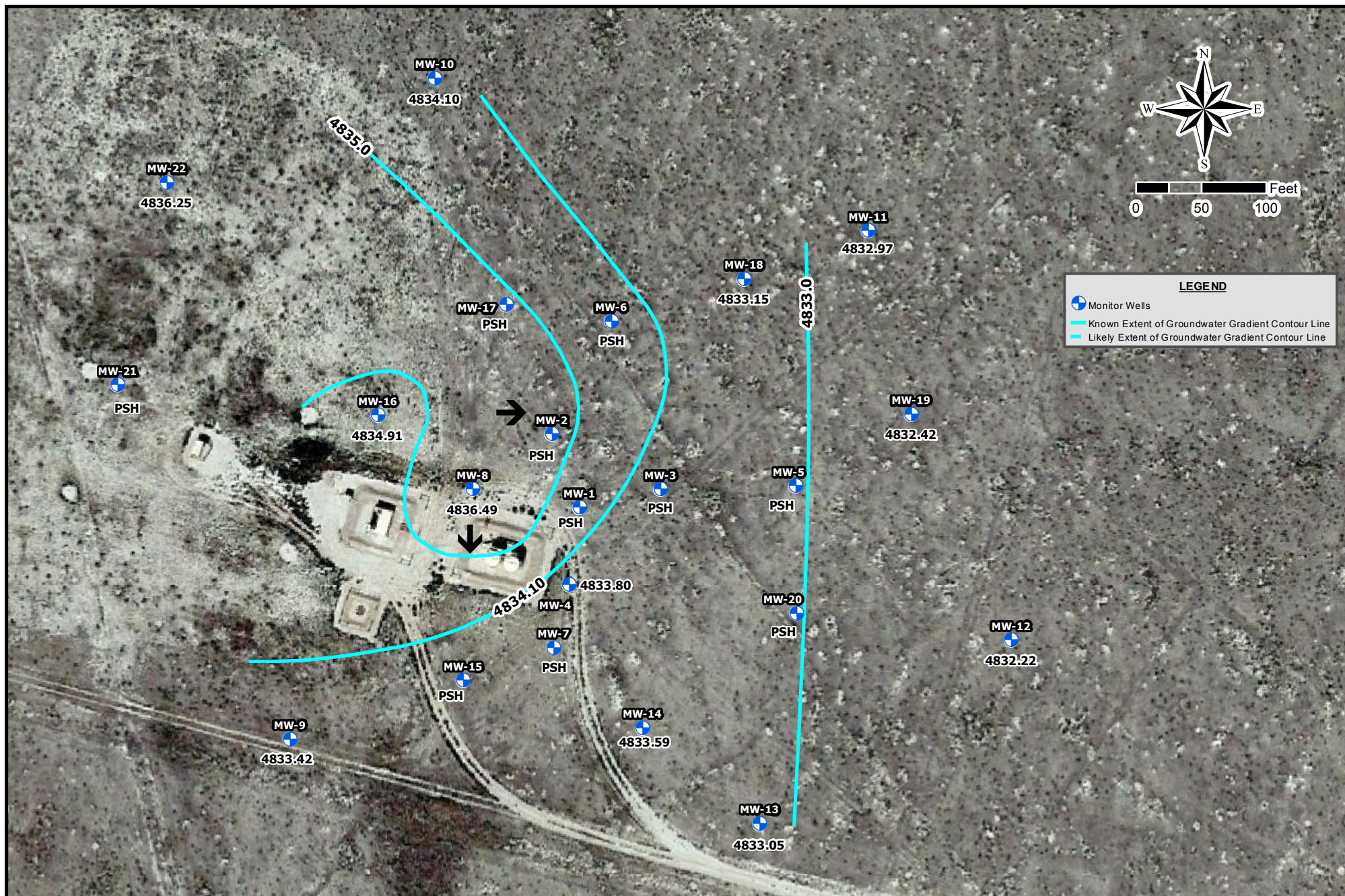
Drafted: 10/31/2018
 1 inch = 250 feet
 Drafted By: FOM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 15 - H₂O Groundwater Gradient Map



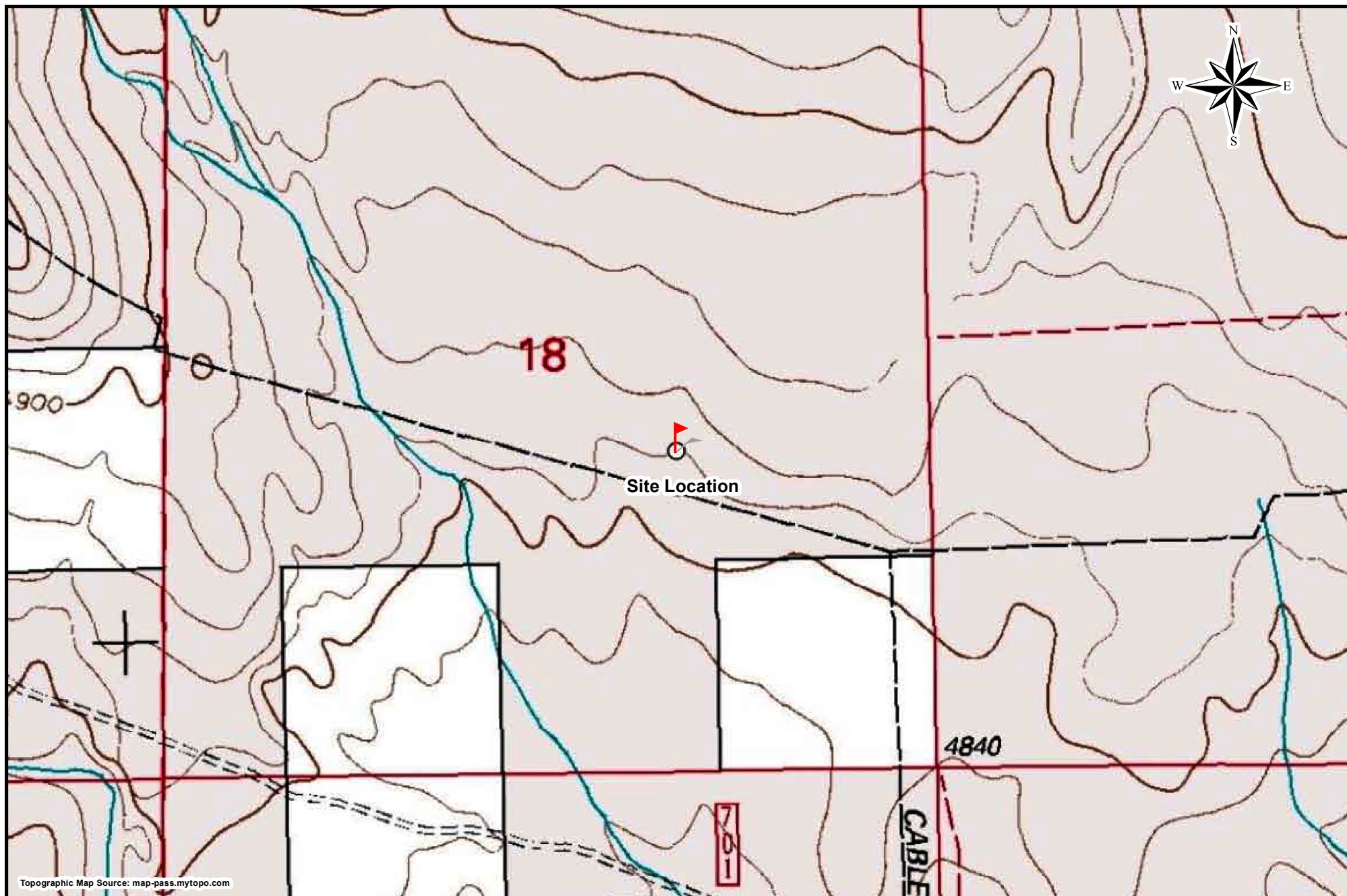
Drafted: 7/24/2018
 1 in = 250 ft
 Drafted By: IJM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 16 - Groundwater Elevation Contour Map



Drafted: 4/4/2018
 1 in = 100 ft
 Drafted By: IJM

Whiting Oil and Gas Corporation
 Nelson C-1
 Weld County, Colorado
 Figure 17 - F-01 and A-1 Groundwater Gradient Map



Drafted: 10/29/2018
Map Scale 1:10,000
Drafted By: FOM

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado
Figure 18 - Topographic Map

Attachment 2
Tables



Table 1 - Well Information

**Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado**

Well ID	Latitude	Longitude	Ground Surface Elevation (ft amsl)	TOC Elevation (ft amsl)	Screen Interval (ft bgs)	Total Depth (ft)
MW-1	40.836402	-103.904669	4862.2	4865.3	19.8-39.8	40.38
MW-2	40.836552	-103.904761	4862.6	4865.8	19-39	39.50
MW-3	40.836453	-103.904461	4863.7	4866.9	19.5-39.5	40.00
MW-4	40.836238	-103.904741	4861.1	4864.0	19.5-39.5	40.00
MW-5	40.836419	-103.904070	4865.7	4868.6	20-40	40.00
MW-6	40.836722	-103.904466	4864.7	4867.6	20-45	45.00
MW-7	40.836089	-103.904824	4860.2	4863.2	20-40	40.00
MW-8	40.836469	-103.904957	4861.6	4864.8	20-40	40.00
MW-9	40.835925	-103.905525	4858.5	4861.4	17-32	35.00
MW-10	40.837318	-103.905089	4865.4	4868.3	19-39	39.00
MW-11	40.836977	-103.903889	4869.5	4872.2	19-44	44.00
MW-12	40.836108	-103.903509	4867.7	4870.6	18-38	38.00
MW-13	40.835729	-103.904222	4862.3	4864.9	20-40	40.00
MW-14	40.835936	-103.904540	4861.2	4864.3	20-40	40.00
MW-15	40.836043	-103.905063	4859.4	4861.9	19-34	34.00
MW-16	40.836609	-103.905264	4861.1	4863.9	19-39	39.00
MW-17	40.836837	-103.904898	4863.7	4866.5	19-44	44.00
MW-18	40.836881	-103.904235	4866.5	4869.2	19-44	44.00
MW-19	40.836590	-103.903776	4868.0	4870.8	19-39	39.00
MW-20	40.836173	-103.904105	4865.0	4867.5	19-39	39.00
MW-21	40.836681	-103.905988	4860.8	4863.8	20-40	40.15
MW-22	40.837108	-103.905839	4863.6	4866.7	20-40	39.68
MW-23	40.836655	-103.906884	4863.8	4866.9	14-34	34.00
MW-24	40.837700	-103.906245	4867.4	4870.5	14-44	44.00
MW-25	40.836214	-103.906318	4859.3	4862.3	14-29	29.00
MW-26	40.836693	-103.907788	4863.7	4866.8	14-34	34.00
MW-27	40.838124	-103.906993	4869.0	4872.1	24-44	44.00
MW-28	40.839217	-103.905930	4875.4	4878.2	35-55	55.00
MW-29	40.838818	-103.908562	4869.9	4872.8	30-45	45.00
MW-30	40.837023	-103.909533	4866.0	4868.9	25-35	35.00
MW-31	40.835311	-103.908502	4855.2	4858.2	20-30	30.00

TOC - Top of Casing
ft bgs - Feet Below Ground Surface
ft amsl - Feet Above Mean Sea Level
Updated July 2018



Table 2 - Groundwater Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Sample ID	Lab ID	Date	Concentration (mg/L)			
			Benzene	Toluene	Ethyl-Benzene	Xylenes
COGCC Table 910-1 Concentration Levels			0.005	1	0.7	10
MW-1	1511065-2	11/04/15	17	18	1	5.4
	1602138-01	02/17/16	15	13	0.99	5.5
	1606205-01	06/21/16	17	16	1.1	6.4
	1609096-01	09/16/16	19	16	1.1	6.5
	1612127-01	12/16/16	28	38	2.5	12
	1703157-01	03/17/17	12	10	0.95	5.9
	1706184-01	06/16/17	11	12	0.97	6.2
	1709144-11	09/15/17	13	11	0.82	5.7
	1712267-01	12/20/17	12	11	0.93	5.8
	1803216-01	03/16/18	11	11	0.91	6
	NS	06/12/18	Not Sampled Due to Presence of PSH			
NS	09/11/18	Not Sampled Due to Presence of PSH				
1812329-01	12/27/18	12	11	0.9	6.3	
MW-1 (Duplicate)	1706184-15	06/16/17	11	11	0.93	5.7
MW-2	1511065-3	11/04/15	18	20	0.96	5
	1602138-02	02/17/16	16	14	1.4	8.2
	1606205-02	06/21/16	18	16	1	6.1
	1609096-02	09/16/16	26	25	1.2	7.1
	1612127-02	12/16/16	16	16	1.1	6.8
	NS	03/17/17	Not Sampled Due to Presence of PSH			
	1706184-02	06/16/17	13	15	1	6.1
	1709144-10	09/15/17	14	16	0.41	6.2
	1712267-02	12/20/17	14	16	1.2	7.3
	1803216-02	03/16/18	13	12	1.1	7.6
	1806151-01	06/12/18	7.5	6.4	0.52	2.9
	1809155-01	09/11/18	7.3	4.5	0.65	5.6
1812329-02	12/27/18	11	6.5	0.78	6.6	
MW-3	NS	11/04/15	Not Sampled Due to Presence of PSH			
	NS	02/17/16	Not Sampled Due to Presence of PSH			
	NS	06/21/16	Not Sampled Due to Presence of PSH			
	NS	09/16/16	Not Sampled Due to Presence of PSH			
	NS	12/16/16	Not Sampled Due to Presence of PSH			
	NS	03/17/17	Not Sampled Due to Presence of PSH			
	NS	06/16/17	Not Sampled Due to Presence of PSH			
	NS	09/15/17	Not Sampled Due to Presence of PSH			
	NS	12/20/17	Not Sampled Due to Presence of PSH			
	NS	03/16/18	Not Sampled Due to Presence of PSH			
	NS	06/12/18	Not Sampled Due to Presence of PSH			
NS	09/11/18	Not Sampled Due to Presence of PSH				
1812346-01	12/28/18	6.4	14	1.5	8.8	
MW-4	1511065-1	11/04/15	16	20	0.94	4.8
	1602138-03	02/17/16	13	15	0.91	5.5
	1606205-03	06/21/16	12	16	0.99	6
	1609096-03	09/16/16	12	18	0.99	6.7
	1612127-03	12/16/16	14	19	1.1	7.2
	1703157-02	03/17/17	9.5	9.5	0.73	4.5
	1706184-03	06/16/17	11	13	0.82	5.8
	1710041-01	10/03/17	7.7	7.9	0.73	4.9
	1712267-03	12/20/17	7.5	8.4	0.71	5.1
	1803216-03	03/16/18	8.4	9.8	0.86	6.9
	1806151-02	06/12/18	8.1	7.8	0.66	3.0
	1809155-02	09/11/18	8.3	8	0.94	5.5
1812346-02	12/28/18	8.8	8.6	0.94	5.7	
MW-4 (Duplicate)	1712267-16	12/20/17	9.9	10	0.86	6.2



Table 2 - Groundwater Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Sample ID	Lab ID	Date	Concentration (mg/L)			
			Benzene	Toluene	Ethyl-Benzene	Xylenes
COGCC Table 910-1 Concentration Levels			0.005	1	0.7	10
MW-5	NS	02/17/16	Not Sampled Due to Presence of PSH			
	NS	06/21/16	Not Sampled Due to Presence of PSH			
	NS	09/16/16	Not Sampled Due to Presence of PSH			
	NS	12/16/16	Not Sampled Due to Presence of PSH			
	NS	03/17/17	Not Sampled Due to Presence of PSH			
	NS	06/16/17	Not Sampled Due to Presence of PSH			
	NS	09/15/17	Not Sampled Due to Presence of PSH			
	NS	12/20/17	Not Sampled Due to Presence of PSH			
	NS	03/16/18	Not Sampled Due to Presence of PSH			
	NS	06/12/18	Not Sampled Due to Presence of PSH			
	NS	09/11/18	Not Sampled Due to Presence of PSH			
	1812329-03	12/27/18	8.4	9.8	0.96	8.5
MW-6	NS	02/17/16	Not Sampled Due to Presence of PSH			
	NS	06/21/16	Not Sampled Due to Presence of PSH			
	NS	09/16/16	Not Sampled Due to Presence of PSH			
	NS	12/16/16	Not Sampled Due to Presence of PSH			
	NS	03/17/17	Not Sampled Due to Presence of PSH			
	NS	06/16/17	Not Sampled Due to Presence of PSH			
	NS	09/15/17	Not Sampled Due to Presence of PSH			
	NS	12/20/17	Not Sampled Due to Presence of PSH			
	1803216-04	03/16/18	10	9.9	1.1	5.9
1806151-03	06/12/18	6.1	5.1	0.53	3.8	
	NS	09/11/18	Not Sampled Due to Presence of PSH			
	1812329-04	12/27/18	7.9	9.1	0.57	4.2
MW-7	NS	03/16/18	Not Sampled Due to Presence of PSH			
	NS	06/12/18	Not Sampled Due to Presence of PSH			
	NS	09/11/18	Not Sampled Due to Presence of PSH			
	NS	12/28/18	Not Sampled Due to Presence of PSH			
MW-8	1602138-04	02/17/16	12	13	1	5.3
	1606205-04	06/21/16	17	17	1.1	6.4
	1609096-04	09/16/16	20	20	0.85	7.1
	1612127-04	12/16/16	17	17	0.82	6.1
	1703157-03	03/17/17	13	14	0.89	6.6
	1706184-04	06/16/17	9.6	14	0.97	6.2
	1709144-09	09/15/17	13	9.4	0.018	5
	1712267-04	12/20/17	14	14	0.62	5.4
	1803216-05	03/16/18	11	13	0.74	6.9
	1806151-04	06/12/18	12	12	0.67	3.7
	1809155-03	09/11/18	12	12	0.76	5.8
	1812329-05	12/27/18	12	8.4	0.71	5.4
MW-9	1603161-01	03/22/16	<0.001	0.0016	<0.001	0.0039
	1606205-05	06/21/16	<0.001	<0.001	<0.001	<0.001
	1609096-05	09/16/16	<0.001	<0.001	<0.001	<0.001
	1612127-05	12/16/16	<0.001	<0.001	<0.001	<0.001
	1703157-04	03/17/17	<0.001	<0.001	<0.001	<0.001
	1706184-05	06/16/17	<0.001	<0.001	<0.001	<0.001
	1709144-08	09/15/17	<0.001	<0.001	<0.001	<0.002
	1712267-05	12/20/17	<0.001	<0.001	<0.001	<0.002
	1803216-06	03/16/18	0.0035	0.0085	0.0011	0.0099
	1806151-05	06/12/18	<0.001	0.0014	<0.001	<0.002
	1809155-04	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812329-06	12/27/18	<0.001	<0.001	<0.001	<0.002
MW-10	1803216-07	03/16/18	0.0016	0.0038	<0.001	0.0031
	1806151-06	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-05	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812346-03	12/28/18	<0.001	<0.001	<0.001	<0.002



Table 2 - Groundwater Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Sample ID	Lab ID	Date	Concentration (mg/L)			
			Benzene	Toluene	Ethyl-Benzene	Xylenes
COGCC Table 910-1 Concentration Levels			0.005	1	0.7	10
MW-11	1603161-02	03/22/16	0.0016	0.0011	<0.001	<0.001
	1606205-07	06/21/16	<0.001	<0.001	<0.001	<0.001
	1609096-07	09/16/16	0.0078	0.0049	<0.001	<0.001
	1612127-07	12/16/16	0.0023	0.002	<0.001	<0.001
	1703157-06	03/17/17	0.0027	0.0037	<0.001	0.005
	1706184-07	06/16/17	<0.001	<0.001	<0.001	<0.001
	1709144-06	09/15/17	<0.001	<0.001	<0.001	<0.002
	1712267-07	12/20/17	<0.001	<0.001	<0.001	<0.002
	1803216-08	03/16/18	0.0053	0.0041	<0.001	0.0043
	1806151-07	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-06	09/11/18	<0.001	<0.001	<0.001	<0.002
1812329-07	12/27/18	<0.001	<0.001	<0.001	<0.002	
MW-11 (Duplicate)	1806151-20	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-20	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812329-10	12/27/18	<0.001	<0.001	<0.001	<0.002
MW-12	NS	03/22/16	Dry - No Sample Collected			
	1606205-08	06/21/16	<0.001	<0.001	<0.001	<0.001
	1609096-08	09/16/16	<0.001	<0.001	<0.001	<0.001
	1612127-08	12/16/16	<0.001	<0.001	<0.001	<0.001
	1703157-07	03/17/17	<0.001	<0.001	<0.001	<0.001
	1706184-08	06/16/17	<0.001	<0.001	<0.001	<0.001
	1709144-05	09/15/17	<0.001	<0.001	<0.001	<0.002
	1712267-08	12/20/17	<0.001	<0.001	<0.001	<0.002
	1803216-09	03/16/18	<0.001	0.0017	<0.001	<0.002
	1806151-08	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-07	09/11/18	<0.001	<0.001	<0.001	<0.002
1812329-08	12/27/18	<0.001	<0.001	<0.001	<0.002	
MW-13	1603161-03	03/22/16	<0.001	0.0013	<0.001	<0.001
	1606205-09	06/21/16	<0.001	<0.001	<0.001	<0.001
	1609096-09	09/16/16	<0.001	<0.001	<0.001	<0.001
	1612127-09	12/16/16	<0.001	<0.001	<0.001	<0.001
	1703157-08	03/17/17	<0.001	<0.001	<0.001	<0.001
	1706184-09	06/16/17	<0.001	<0.001	<0.001	<0.001
	1709144-04	09/15/17	<0.001	<0.001	<0.001	<0.002
	1712267-09	12/20/17	<0.001	<0.001	<0.001	<0.002
	1803216-10	03/16/18	<0.001	<0.001	<0.001	<0.002
	1806151-09	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-08	09/11/18	<0.001	<0.001	<0.001	<0.002
1812329-09	12/27/18	<0.001	<0.001	<0.001	<0.002	
MW-14	1603161-04	03/22/16	2.5	2.3	0.48	1.3
	1606205-10	06/21/16	2.4	2.2	0.39	1.3
	1609096-10	09/16/16	3.4	2.2	0.44	1.5
	1612127-10	12/16/16	12	5.4	0.64	4
	1703157-09	03/17/17	2.5	1.1	0.44	1.4
	1706184-10	06/16/17	2.1	0.7	0.28	0.89
	1709144-03	09/15/17	1.9	0.29	0.27	0.62
	1712267-10	12/20/17	2.2	0.19	0.31	0.58
	1803216-11	03/16/18	1.6	0.053	0.2	0.38
	1806151-10	06/12/18	1.5	0.38	0.18	0.21
	1809155-09	09/11/18	1.4	0.036	0.18	0.24
1812346-04	12/28/18	0.9	0.061	0.12	0.17	
MW-14 (Duplicate)	1806151-21	06/12/18	1.1	0.43	0.17	0.21
	1809155-21	09/11/18	0.5	0.028	0.15	0.19
	1812346-12	12/28/18	0.8	0.064	0.14	0.21



Table 2 - Groundwater Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Sample ID	Lab ID	Date	Concentration (mg/L)			
			Benzene	Toluene	Ethyl-Benzene	Xylenes
COGCC Table 910-1 Concentration Levels			0.005	1	0.7	10
MW-15	1603161-05	03/22/16	4.3	6.4	0.42	3.5
	1606205-11	06/21/16	6.5	5.2	0.59	3.6
	1609096-11	09/16/16	6	3.2	0.63	3.6
	1612127-11	12/16/16	17	18	1.1	6.4
	1703157-10	03/17/17	3.8	1	0.35	1.8
	1706184-11	06/16/17	4.4	1.1	0.52	2.8
	1709144-02	09/15/17	3.8	1.3	0.0029	3.1
	1712267-11	12/20/17	3.4	2.7	0.6	3.9
	1803216-12	03/16/18	2.5	1.8	0.51	3.7
	NS	06/12/18	Not Sampled Due to Presence of PSH			
NS	09/11/18	Not Sampled Due to Presence of PSH				
1812346-05	12/28/18	2.2	3.2	0.46	4.3	
MW-15 (Duplicate)	1803216-17	03/16/18	2.7	2.2	0.57	4.2
MW-16	1603161-06	03/22/16	14	16	0.68	6.1
	1606205-12	06/21/16	16	16	1.1	6.7
	1609096-12	09/16/16	18	18	1.3	7.3
	1612127-12	12/16/16	18	20	1.2	7.2
	1703157-11	03/17/17	12	13	1.1	6.4
	1706184-12	06/16/17	11	13	1.5	8.4
	1709144-01	09/15/17	10	12	0.76	5.9
	1712267-12	12/20/17	10	11	0.9	5.7
	1803216-13	03/16/18	11	11	0.86	5.2
	1806151-11	06/12/18	9.6	9.4	0.74	3
1809155-10	09/11/18	8.8	9.1	0.85	5.2	
1812346-06	12/28/18	8.2	8.4	0.7	5.3	
MW-16 (Duplicate)	1703157-14	03/17/17	12	13	1.1	6.2
	1806151-22	06/12/18	8.3	8.3	0.66	2.7
	1809155-22	09/11/18	9.5	11	0.73	5.1
	1812346-13	12/28/18	9.5	9.3	0.74	5.2
MW-17	NS	03/22/16	Not Sampled Due to Presence of PSH			
	NS	06/21/16	Not Sampled Due to Presence of PSH			
	NS	09/16/16	Not Sampled Due to Presence of PSH			
	NS	12/16/16	Not Sampled Due to Presence of PSH			
	NS	03/17/17	Not Sampled Due to Presence of PSH			
	NS	06/16/17	Not Sampled Due to Presence of PSH			
	NS	09/15/17	Not Sampled Due to Presence of PSH			
	NS	12/20/17	Not Sampled Due to Presence of PSH			
	NS	03/16/18	Not Sampled Due to Presence of PSH			
	NS	06/12/18	Not Sampled Due to Presence of PSH			
NS	09/11/18	Not Sampled Due to Presence of PSH				
NS	12/28/18	Not Sampled Due to Presence of PSH				
MW-18	1603161-07	03/22/16	0.084	0.047	0.0026	0.0074
	1606205-13	06/21/16	0.23	0.14	0.0039	0.040
	1609096-13	09/16/16	0.34	0.097	0.0034	0.040
	1612127-13	12/16/16	0.45	0.11	0.0089	0.047
	1703157-12	03/17/17	1.2	0.98	0.034	0.32
	1706184-13	06/16/17	0.47	0.33	0.015	0.20
	1709144-14	09/15/17	1.2	0.0071	<0.001	<0.002
	1712267-13	12/20/17	0.47	0.052	0.0062	0.035
	1803216-14	03/16/18	0.42	0.061	0.0081	0.040
	1806151-12	06/12/18	0.23	0.035	0.0044	0.035
1809155-11	09/11/18	0.073	0.0045	0.002	0.011	
1812329-11	12/27/18	0.035	0.0021	<0.001	0.0034	
MW-19	NS	03/22/16	Dry - No Sample Collected			
	1606205-14	06/21/16	0.0011	<0.001	<0.001	<0.001
	1609096-14	09/16/16	0.0051	0.0011	<0.001	<0.001
	1612127-14	12/16/16	<0.001	<0.001	<0.001	<0.001
	1703157-13	03/17/17	0.0021	<0.001	<0.001	<0.001
	1706184-14	06/16/17	0.002	0.0011	<0.001	<0.001
	1709144-13	09/15/17	0.013	0.0017	<0.001	0.0037
	1712267-14	12/20/17	0.0012	<0.001	<0.001	<0.002
	1803216-15	03/16/18	<0.001	<0.001	<0.001	<0.002
	1806151-13	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-12	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812346-07	12/28/18	<0.001	<0.001	<0.001	<0.002
	1812346-07	12/28/18	<0.001	<0.001	<0.001	<0.002



Table 2 - Groundwater Analytical Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Sample ID	Lab ID	Date	Concentration (mg/L)			
			Benzene	Toluene	Ethyl-Benzene	Xylenes
COGCC Table 910-1 Concentration Levels			0.005	1	0.7	10
MW-20	NS	03/22/16	Not Sampled Due to Presence of PSH			
	NS	06/21/16	Not Sampled Due to Presence of PSH			
	NS	09/16/16	Not Sampled Due to Presence of PSH			
	NS	12/16/16	Not Sampled Due to Presence of PSH			
	NS	03/17/17	Not Sampled Due to Presence of PSH			
	NS	06/16/17	Not Sampled Due to Presence of PSH			
	NS	09/15/17	Not Sampled Due to Presence of PSH			
	NS	12/20/17	Not Sampled Due to Presence of PSH			
	NS	03/16/18	Not Sampled Due to Presence of PSH			
	NS	06/12/18	Not Sampled Due to Presence of PSH			
MW-21	NS	09/15/17	Not Sampled Due to Presence of PSH			
	NS	12/20/17	Not Sampled Due to Presence of PSH			
	NS	03/16/18	Not Sampled Due to Presence of PSH			
	NS	06/12/18	Not Sampled Due to Presence of PSH			
	1809155-13	09/11/18	8.1	14	1.6	7.7
MW-22	1812346-08	12/28/18	5.0	9	1.8	8.5
	1709144-12	09/15/17	4.0	14	0.84	11
	1712267-15	12/20/17	6.5	15	1.2	6.8
	1803216-16	03/16/18	3.0	6.8	0.56	4.0
	1806151-14	06/12/18	2.6	5.6	0.51	2.3
	1809155-14	09/11/18	3.0	8.4	0.94	5.9
	1812346-09	12/28/18	1.5	2.1	0.4	2.2
	1805006-01	05/01/18	4.1	15	1.5	8.3
MW-23	NS	06/12/18	Not Sampled Due to Presence of PSH			
	NS	09/11/18	Not Sampled Due to Presence of PSH			
	NS	09/11/18	Not Sampled Due to Presence of PSH			
MW-24	1805006-02	05/01/18	6.7	15	1.3	6.8
	1806151-15	06/12/18	4.6	9.3	0.21	2.9
	1809155-15	09/11/18	5.3	9.9	0.73	4.9
	1812346-10	12/28/18	5.6	11	0.99	6.4
MW-25	1805006-03	05/01/18	1.1	3.2	0.25	1.2
	1806151-16	06/12/18	2.2	5.8	0.18	2.2
	1809155-16	09/11/18	3.1	6.6	0.54	5.3
	1812346-11	12/28/18	3.3	3.9	0.49	5.6
MW-25 (Duplicate)	1805006-05	05/01/18	1.1	3.7	0.33	2.1
MW-26	NS	05/01/18	Dry - No Sample Collected			
	1806151-17	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-17	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812329-12	12/27/18	<0.001	<0.001	<0.001	<0.002
MW-27	1805006-04	05/01/18	7.0	18	1.7	8.7
	NS	06/12/18	Not Sampled Due to Presence of PSH			
	NS	09/11/18	Not Sampled Due to Presence of PSH			
	NS	12/28/18	Not Sampled Due to Presence of PSH			
MW-28	1806151-18	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-18	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812329-13	12/27/18	<0.001	<0.001	<0.001	<0.002
MW-29	NS	06/12/18	Dry - No Sample Collected			
	NS	09/11/18	Dry - No Sample Collected			
	NS	12/28/18	Dry - No Sample Collected			
MW-30	1806151-19	06/12/18	<0.001	<0.001	<0.001	<0.002
	1809155-19	09/11/18	<0.001	<0.001	<0.001	<0.002
	1812329-14	12/27/18	<0.001	<0.001	<0.001	<0.002
MW-31	NS	06/12/18	Dry - No Sample Collected			
	NS	09/11/18	Dry - No Sample Collected			
	NS	12/28/18	Dry - No Sample Collected			

mg/L - milligrams per liter

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commission

NS - Not Sampled

PSH - Phase-Separated Hydrocarbons



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-1	4865.30	40.38	11/4/2015	NA	36.49	0.00	4828.81
			12/3/2015	NA	30.88	0.00	4834.42
			12/8/2015	30.62	30.63	0.01	4834.68
			12/22/2015	NA	31.46	0.00	4833.84
			12/30/2015	NA	32.03	0.00	4833.27
			1/13/2016	NA	38.05	0.00	4827.25
			1/21/2016	NA	31.08	0.00	4834.22
			1/27/2016	31.10	31.13	0.03	4834.19
			2/8/2016	31.24	31.29	0.05	4834.05
			2/15/2016	30.90	30.92	0.02	4834.40
			2/16/2016	30.96	30.99	0.03	4834.33
			2/17/2016	NA	32.27	0.00	4833.03
			2/19/2016	NA	31.04	0.00	4834.26
			2/24/2016	NA	31.19	0.00	4834.11
			2/29/2016	NA	30.95	0.00	4834.35
			3/8/2016	NA	32.67	0.00	4832.63
			3/15/2016	NA	32.95	0.00	4832.35
			3/22/2016	NA	33.02	0.00	4832.28
			3/29/2016	NA	33.04	0.00	4832.26
			4/5/2016	NA	33.22	0.00	4832.08
			4/19/2016	NA	31.70	0.00	4833.60
			4/26/2016	NA	32.78	0.00	4832.52
			5/5/2016	NA	31.41	0.00	4833.89
			6/6/2016	31.35	31.36	0.01	4833.95
			6/20/2016	31.38	31.42	0.04	4833.91
			8/11/2016	NA	30.88	0.00	4834.42
			9/15/2016	NA	30.82	0.00	4834.48
			12/15/2016	30.98	30.99	0.01	4834.32
			3/16/2017	31.45	31.49	0.04	4833.84
			6/15/2017	31.91	31.95	0.04	4833.38
			9/14/2017	30.75	30.78	0.03	4834.54
			12/19/2017	NA	30.92	0.00	4834.38
			3/15/2018	30.91	31.02	0.11	4834.37
			6/11/2018	31.11	31.19	0.08	4834.17
			9/10/2018	30.11	30.22	0.11	4835.17
			12/27/2018	30.90	30.99	0.09	4834.38
MW-2	4865.8	39.50	11/4/2015	31.15	31.20	0.05	4834.64
			12/3/2015	31.60	31.62	0.02	4834.20
			12/8/2015	31.50	31.52	0.02	4834.30
			12/22/2015	NA	31.29	0.00	4834.51
			12/30/2015	31.93	31.94	0.01	4833.87
			1/13/2016	NA	31.55	0.00	4834.25
			1/21/2016	NA	31.71	0.00	4834.09
			1/27/2016	NA	31.72	0.00	4834.08
			2/8/2016	31.90	31.92	0.02	4833.90
			2/15/2016	31.53	31.58	0.05	4834.26
			2/16/2016	31.63	31.66	0.03	4834.16
			2/17/2016	32.31	32.35	0.04	4833.48
			2/19/2016	31.68	31.73	0.05	4834.11
			2/24/2016	NA	31.80	0.00	4834.00
			2/29/2016	31.56	31.63	0.07	4834.23
			3/8/2016	NA	32.25	0.00	4833.55
			3/15/2016	NA	32.37	0.00	4833.43
			3/22/2016	NA	32.21	0.00	4833.59
			3/29/2016	NA	32.21	0.00	4833.59
			4/5/2016	NA	32.42	0.00	4833.38
			4/19/2016	32.25	32.27	0.02	4833.55
			4/26/2016	NA	32.36	0.00	4833.44
			5/5/2016	NA	32.12	0.00	4833.68
			6/6/2016	32.10	32.14	0.04	4833.69
			6/20/2016	32.15	32.17	0.02	4833.65
			8/11/2016	NA	31.43	0.00	4834.37
			9/15/2016	31.20	31.27	0.07	4834.59
			12/15/2016	38.31	38.50	0.49	4827.69
			3/16/2017	31.45	31.49	0.04	4834.34
			6/15/2017	32.15	32.20	0.05	4833.64
			9/14/2017	30.78	30.80	0.02	4835.02
			12/19/2017	NA	31.24	0.00	4834.56
			3/15/2018	31.14	31.16	0.02	4834.66
			6/11/2018	NA	30.57	0.00	4835.23
			9/10/2018	NA	29.39	0.00	4836.41
			12/27/2018	NA	30.27	0.00	4835.53



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-3	4866.9	40.00	11/4/2015	35.61	36.52	0.91	4831.11
			12/3/2015	34.74	35.89	1.15	4831.93
			12/8/2015	34.77	35.62	0.85	4831.96
			12/22/2015	34.44	35.36	0.92	4832.28
			12/30/2015	35.07	35.93	0.86	4831.66
			1/13/2016	37.32	37.82	0.50	4829.48
			1/21/2016	33.70	34.78	1.08	4832.99
			1/27/2016	33.62	35.13	1.51	4832.98
			2/8/2016	33.47	35.88	2.41	4832.96
			2/15/2016	32.95	36.07	3.12	4833.34
			2/16/2016	32.98	36.16	3.18	4833.30
			2/17/2016	35.38	36.50	1.12	4831.30
			2/19/2016	33.80	35.09	1.29	4832.85
			2/24/2016	33.58	35.29	1.71	4832.98
			2/29/2016	33.46	35.37	1.91	4833.07
			3/8/2016	33.68	34.69	1.01	4833.02
			3/15/2016	33.65	33.70	0.05	4833.24
			3/22/2016	34.55	35.55	1.00	4832.15
			3/29/2016	34.48	35.38	0.90	4832.24
			4/5/2016	34.95	35.05	0.10	4831.93
			4/19/2016	34.01	34.71	0.70	4832.75
			4/26/2016	34.45	35.04	0.59	4832.33
			5/5/2016	35.37	36.11	0.74	4831.38
			6/6/2016	33.91	34.82	0.91	4832.81
			6/20/2016	33.75	35.32	1.57	4832.84
			8/11/2016	33.90	34.60	0.70	4832.86
			9/15/2016	33.71	34.41	0.70	4833.05
			12/15/2016	33.79	34.30	0.51	4833.01
			3/16/2017	34.87	35.72	0.85	4831.86
			6/16/2017	33.90	34.70	0.80	4832.84
			9/14/2017	NG	NG	NG	NG
			12/19/2017	33.40	33.61	0.21	4833.46
			3/15/2018	32.92	33.11	0.19	4833.94
			6/11/2018	33.20	33.88	0.68	4833.57
			9/10/2018	32.60	32.74	0.14	4834.27
			12/27/2018	32.55	33.02	0.47	4834.26
MW-4	4864	40.00	11/4/2015	NA	35.69	0.00	4828.31
			12/3/2015	NA	37.50	0.00	4826.50
			12/8/2015	NA	35.78	0.00	4828.22
			12/22/2015	NA	34.55	0.00	4829.45
			12/30/2015	NA	35.60	0.00	4828.40
			1/13/2016	NA	38.05	0.00	4825.95
			1/21/2016	NA	34.28	0.00	4829.72
			1/27/2016	NA	30.36	0.00	4833.64
			2/8/2016	NA	29.24	0.00	4834.76
			2/15/2016	NA	29.03	0.00	4834.97
			2/16/2016	NA	29.02	0.00	4834.98
			2/17/2016	NA	36.60	0.00	4827.40
			2/19/2016	NA	33.94	0.00	4830.06
			2/24/2016	NA	29.81	0.00	4834.19
			2/29/2016	NA	29.51	0.00	4834.49
			3/8/2016	NA	33.15	0.00	4830.85
			3/15/2016	NA	35.27	0.00	4828.73
			3/22/2016	NA	35.13	0.00	4828.87
			3/29/2016	NA	35.02	0.00	4828.98
			4/5/2016	NA	35.94	0.00	4828.06
			4/19/2016	NA	33.14	0.00	4830.86
			4/26/2016	NA	29.88	0.00	4834.12
			5/5/2016	NA	29.36	0.00	4834.64
			6/6/2016	NA	29.35	0.00	4834.65
			6/20/2016	NA	29.31	0.00	4834.69
			8/11/2016	NA	29.00	0.00	4835.00
			9/15/2016	NA	29.03	0.00	4834.97
			12/15/2016	NA	29.48	0.00	4834.52
			3/16/2017	NA	29.89	0.00	4834.11
			6/15/2017	NA	31.90	0.00	4832.10
			9/14/2017	NA	29.75	0.00	4834.25
			12/19/2017	NA	29.84	0.00	4834.16
			3/15/2018	NA	29.90	0.00	4834.10
			6/11/2018	NA	30.59	0.00	4833.41
			9/10/2018	NA	30.40	0.00	4833.60
			12/27/2018	NA	30.12	0.00	4833.88



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-5	4868.6	40.00	2/15/2016	40.31	40.41	0.10	4828.27
			2/16/2016	39.95	40.09	0.14	4828.62
			2/17/2016	NG	NG	NG	NG
			2/19/2016	39.78	40.07	0.29	4828.76
			2/24/2016	38.60	39.19	0.59	4829.88
			2/29/2016	37.66	38.56	0.90	4830.76
			3/8/2016	36.66	37.95	1.29	4831.69
			3/15/2016	36.20	36.35	0.15	4832.37
			3/22/2016	35.95	37.80	1.85	4832.29
			3/29/2016	35.78	36.51	0.73	4832.68
			4/5/2016	NA	35.74	0.00	4832.86
			4/19/2016	35.65	38.30	2.65	4832.43
			4/26/2016	35.48	38.30	2.82	4832.57
			5/5/2016	35.52	35.53	0.01	4833.08
			6/6/2016	39.08	39.85	0.77	4829.37
			6/20/2016	37.22	38.46	1.24	4831.14
			8/11/2016	39.08	39.65	0.57	4829.41
			9/15/2016	37.18	38.37	1.19	4831.19
			12/15/2016	37.05	38.22	1.17	4831.32
			3/16/2017	37.10	38.22	1.12	4831.28
			6/15/2017	36.86	37.90	1.04	4831.54
			9/14/2017	NG	NG	NG	NG
			12/19/2017	35.87	36.00	0.13	4832.70
			3/15/2018	35.59	35.74	0.15	4832.98
			6/11/2018	35.85	36.05	0.20	4832.71
			9/10/2018	34.74	34.88	0.14	4833.83
			12/27/2018	NA	35.26	0.00	4833.34
MW-6	4867.6	45.00	2/15/2016	35.32	36.60	1.28	4832.03
			2/16/2016	35.33	36.91	1.58	4831.96
			2/17/2016	35.95	36.14	0.19	4831.61
			2/19/2016	35.55	36.50	0.95	4831.86
			2/24/2016	35.30	37.55	2.25	4831.86
			2/29/2016	34.76	38.19	3.43	4832.17
			3/8/2016	34.44	39.14	4.70	4832.24
			3/15/2016	34.28	38.44	4.16	4832.50
			3/22/2016	33.92	39.90	5.98	4832.51
			3/29/2016	33.88	40.03	6.15	4832.51
			4/5/2016	34.02	39.58	5.56	4832.49
			4/19/2016	34.11	40.91	6.80	4832.16
			4/26/2016	33.80	38.87	5.07	4832.81
			5/5/2016	34.01	40.78	6.77	4832.26
			6/6/2016	33.94	40.80	6.86	4832.32
			6/20/2016	34.72	39.50	4.78	4831.94
			8/11/2016	35.53	36.32	0.79	4831.92
			9/15/2016	35.17	36.99	1.82	4832.07
			12/15/2016	35.11	36.27	1.16	4832.26
			3/16/2017	35.19	36.20	1.01	4832.21
			6/15/2017	35.25	36.20	0.95	4832.16
			9/14/2017	34.81	35.09	0.28	4832.74
			12/19/2017	34.43	34.87	0.44	4833.08
			3/15/2018	33.95	33.97	0.02	4833.65
			6/11/2018	NA	34.00	0.00	4833.60
			9/10/2018	33.50	34.98	1.48	4833.81
			12/27/2018	33.46	33.50	0.04	4834.13
MW-7	4863.2	40.00	2/15/2016	31.86	34.29	2.43	4830.86
			2/16/2016	30.00	33.03	3.03	4832.61
			2/17/2016	35.38	36.50	1.12	4827.60
			2/19/2016	30.26	32.22	1.96	4832.56
			2/24/2016	28.01	30.35	2.34	4834.73
			2/29/2016	27.75	29.91	2.16	4835.03
			3/8/2016	27.55	29.73	2.18	4835.22
			3/15/2016	27.61	29.90	2.29	4835.14
			3/22/2016	27.58	29.93	2.35	4835.16
			3/29/2016	27.55	29.95	2.40	4835.18
			4/5/2016	27.75	30.28	2.53	4834.95
			4/19/2016	27.89	27.91	0.02	4835.31
			4/26/2016	27.44	30.06	2.62	4835.25
			5/5/2016	27.81	29.09	1.28	4835.14
			6/6/2016	28.62	30.50	1.88	4834.21
			6/20/2016	28.10	29.61	1.51	4834.80
			8/11/2016	28.68	29.30	0.62	4834.40
			9/15/2016	28.38	29.27	0.89	4834.65
			12/15/2016	28.67	29.32	0.65	4834.40
			3/16/2017	28.96	29.66	0.70	4834.10
			6/15/2017	29.21	29.89	0.68	4833.86
			9/14/2017	NG	NG	NG	NG
			12/19/2017	28.87	30.56	1.69	4834.00
			3/15/2018	28.90	29.56	0.66	4834.17
			6/11/2018	29.39	29.68	0.29	4833.75
			9/10/2018	29.03	29.36	0.33	4834.11
			12/27/2018	29.07	29.42	0.35	4834.06



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-8	4864.8	40.00	2/15/2016	NA	35.85	0.00	4828.95
			2/16/2016	NA	34.10	0.00	4830.70
			2/17/2016	NA	35.09	0.00	4829.71
			2/19/2016	NA	32.57	0.00	4832.23
			2/24/2016	NA	28.81	0.00	4835.99
			2/29/2016	NA	27.45	0.00	4837.35
			3/8/2016	NA	27.14	0.00	4837.66
			3/15/2016	NA	27.25	0.00	4837.55
			3/22/2016	NA	33.80	0.00	4831.00
			3/29/2016	NA	27.38	0.00	4837.42
			4/5/2016	27.70	27.73	0.03	4837.09
			4/19/2016	28.04	28.06	0.02	4836.76
			4/26/2016	27.72	27.75	0.03	4837.07
			5/5/2016	28.28	28.30	0.02	4836.52
			6/6/2016	28.46	28.52	0.06	4836.33
			6/20/2016	NA	27.83	0.00	4836.97
			8/11/2016	NA	26.28	0.00	4838.52
			9/15/2016	26.35	26.36	0.01	4838.45
			12/15/2016	NA	27.45	0.00	4837.35
			3/16/2017	28.06	28.07	0.01	4836.74
			6/15/2017	NA	27.15	0.00	4837.65
			9/14/2017	NA	26.04	0.00	4838.76
			12/19/2017	NA	28.24	0.00	4836.56
			3/15/2018	NA	27.81	0.00	4836.99
			6/11/2018	NA	26.67	0.00	4838.13
			9/10/2018	NA	26.45	0.00	4838.35
			12/27/2018	NA	28.03	0.00	4836.77
MW-9	4861.4	35.00	3/15/2016	NA	33.45	0.00	4827.95
			3/21/2016	NA	31.84	0.00	4829.56
			3/22/2016	NA	33.80	0.00	4827.60
			3/29/2016	NA	31.85	0.00	4829.55
			4/5/2016	NA	29.98	0.00	4831.42
			4/19/2016	NA	27.48	0.00	4833.92
			4/26/2016	NA	26.80	0.00	4834.60
			5/5/2016	NA	26.61	0.00	4834.79
			6/6/2016	NA	26.50	0.00	4834.90
			6/20/2016	NA	26.40	0.00	4835.00
			8/11/2016	NA	26.52	0.00	4834.88
			9/15/2016	NA	26.75	0.00	4834.65
			12/15/2016	NA	27.09	0.00	4834.31
			3/16/2017	NA	27.44	0.00	4833.96
			6/15/2017	NA	27.72	0.00	4833.68
			9/14/2017	NA	27.84	0.00	4833.56
			12/19/2017	NA	28.76	0.00	4832.64
			3/15/2018	NA	27.48	0.00	4833.92
			6/11/2018	NA	27.61	0.00	4833.79
			9/10/2018	NA	27.85	0.00	4833.55
			12/27/2018	NA	27.64	0.00	4833.76
MW-10	4868.3	39	3/15/2016	NA	Dry	0.00	
			3/21/2016	NA	Dry	0.00	
			3/22/2016	NA	Dry	0.00	
			3/29/2016	NA	Dry	0.00	
			4/5/2016	NA	39.12	0.00	4829.18
			4/19/2016	NA	38.19	0.00	4830.11
			4/26/2016	NA	37.78	0.00	4830.52
			5/5/2016	NA	37.58	0.00	4830.72
			6/6/2016	NA	37.35	0.00	4830.95
			6/20/2016	NA	37.32	0.00	4830.98
			8/11/2016	NA	37.20	0.00	4831.10
			9/15/2016	NA	37.13	0.00	4831.17
			12/15/2016	NA	36.89	0.00	4831.41
			3/16/2017	NA	36.75	0.00	4831.55
			6/15/2017	NA	36.41	0.00	4831.89
			9/14/2017	NA	35.78	0.00	4832.52
			12/19/2017	NA	34.63	0.00	4833.67
			3/15/2018	NA	33.60	0.00	4834.70
			6/11/2018	NA	33.71	0.00	4834.59
			9/10/2018	NA	34.22	0.00	4834.08
			12/27/2018	NA	34.11	0.00	4834.19



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-11	4872.2	44.00	3/15/2016	NA	41.07	0.00	4831.13
			3/21/2016	NA	41.10	0.00	4831.10
			3/22/2016	NA	42.22	0.00	4829.98
			3/29/2016	NA	40.98	0.00	4831.22
			4/5/2016	NA	41.06	0.00	4831.14
			4/19/2016	NA	47.15	0.00	4825.05
			4/26/2016	NA	40.83	0.00	4831.37
			5/5/2016	NA	41.06	0.00	4831.14
			6/6/2016	NA	41.00	0.00	4831.20
			6/20/2016	NA	41.08	0.00	4831.12
			8/11/2016	NA	41.83	0.00	4830.37
			9/15/2016	NA	40.81	0.00	4831.39
			12/15/2016	NA	40.59	0.00	4831.61
			3/16/2017	NA	40.39	0.00	4831.81
			6/15/2017	NA	40.17	0.00	4832.03
			9/14/2017	NA	39.63	0.00	4832.57
			12/19/2017	NA	39.14	0.00	4833.06
			3/15/2018	NA	38.63	0.00	4833.57
			6/11/2018	NA	38.59	0.00	4833.61
			9/10/2018	NA	39.07	0.00	4833.13
			12/27/2018	NA	38.48	0.00	4833.72
MW-12	4870.6	38.00	3/15/2016	NA	Dry	0.00	
			3/21/2016	NA	Dry	0.00	
			3/22/2016	NA	Dry	0.00	
			3/29/2016	NA	Dry	0.00	
			4/5/2016	NA	40.09	0.00	4830.51
			4/19/2016	NA	39.46	0.00	4831.14
			4/26/2016	NA	39.28	0.00	4831.32
			5/5/2016	NA	39.16	0.00	4831.44
			6/6/2016	NA	38.94	0.00	4831.66
			6/20/2016	NA	38.91	0.00	4831.69
			8/11/2016	NA	38.83	0.00	4831.77
			9/15/2016	NA	38.78	0.00	4831.82
			12/15/2016	NA	38.67	0.00	4831.93
			3/16/2017	NA	38.61	0.00	4831.99
			6/15/2017	NA	38.45	0.00	4832.15
			9/14/2017	NA	38.35	0.00	4832.25
			12/19/2017	NA	38.10	0.00	4832.50
			3/15/2018	NA	37.88	0.00	4832.72
			6/11/2018	NA	37.72	0.00	4832.88
			9/10/2018	NA	37.72	0.00	4832.88
			12/27/2018	NA	37.60	0.00	4833.00
MW-13	4864.9	40.00	3/15/2016	NA	Dry	0.00	
			3/21/2016	NA	38.86	0.00	4826.04
			3/22/2016	NA	39.35	0.00	4825.55
			3/29/2016	NA	37.37	0.00	4827.53
			4/5/2016	NA	35.84	0.00	4829.06
			4/19/2016	NA	33.26	0.00	4831.64
			4/26/2016	NA	32.39	0.00	4832.51
			5/5/2016	NA	31.71	0.00	4833.19
			6/6/2016	NA	30.83	0.00	4834.07
			6/20/2016	NA	30.76	0.00	4834.14
			8/11/2016	NA	31.00	0.00	4833.90
			9/15/2016	NA	30.77	0.00	4834.13
			12/15/2016	NA	31.06	0.00	4833.84
			3/16/2017	NA	31.15	0.00	4833.75
			6/15/2017	NA	31.30	0.00	4833.60
			9/14/2017	NA	31.46	0.00	4833.44
			12/19/2017	NA	32.63	0.00	4832.27
			3/15/2018	NA	31.35	0.00	4833.55
			6/11/2018	NA	31.57	0.00	4833.33
			9/10/2018	NA	31.62	0.00	4833.28
			12/27/2018	NA	31.71	0.00	4833.19
MW-14	4864.3	40.00	3/15/2016	NA	29.62	0.00	4834.68
			3/21/2016	NA	29.55	0.00	4834.75
			3/22/2016	NA	29.35	0.00	4834.95
			3/29/2016	NA	29.37	0.00	4834.93
			4/5/2016	NA	29.64	0.00	4834.66
			4/19/2016	NA	29.85	0.00	4834.45
			4/26/2016	NA	29.51	0.00	4834.79
			5/5/2016	NA	29.79	0.00	4834.51
			6/6/2016	NA	29.73	0.00	4834.57
			6/20/2016	NA	29.94	0.00	4834.36
			8/11/2016	NA	29.71	0.00	4834.59
			9/15/2016	NA	29.80	0.00	4834.50
			12/15/2016	NA	29.87	0.00	4834.43
			3/16/2017	NA	30.29	0.00	4834.01
			6/15/2017	NA	30.65	0.00	4833.65
			9/14/2017	NA	30.42	0.00	4833.88
			12/19/2017	NA	30.63	0.00	4833.67
			3/15/2018	NA	30.11	0.00	4834.19
			6/11/2018	NA	30.50	0.00	4833.80
			9/10/2018	NA	30.31	0.00	4833.99
			12/27/2018	NA	30.15	0.00	4834.15



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-15	4861.9	34.00	3/15/2016	NA	35.15	0.00	4826.75
			3/21/2016	NA	33.75	0.00	4828.15
			3/22/2016	NA	34.15	0.00	4827.75
			3/29/2016	NA	31.69	0.00	4830.21
			4/5/2016	NA	30.14	0.00	4831.76
			4/19/2016	NA	28.50	0.00	4833.40
			4/26/2016	NA	27.96	0.00	4833.94
			5/5/2016	NA	27.64	0.00	4834.26
			6/6/2016	NA	27.12	0.00	4834.78
			6/20/2016	NA	27.00	0.00	4834.90
			8/11/2016	NA	27.47	0.00	4834.43
			9/15/2016	NA	27.19	0.00	4834.71
			12/15/2016	NA	27.60	0.00	4834.30
			3/16/2017	NA	28.11	0.00	4833.79
			6/15/2017	NA	28.59	0.00	4833.31
			9/14/2017	28.92	28.99	0.07	4832.97
			12/19/2017	NA	29.10	0.00	4832.80
			3/15/2018	29.01	29.05	0.04	4832.88
			6/11/2018	29.32	29.40	0.08	4832.56
			9/10/2018	29.01	29.22	0.21	4832.85
			12/27/2018	29.05	29.10	0.05	4832.84
MW-16	4863.9	39.00	3/15/2016	NA	35.52	0.00	4828.38
			3/21/2016	NA	32.67	0.00	4831.23
			3/22/2016	36.31	36.34	0.03	4827.58
			3/29/2016	NA	30.70	0.00	4833.20
			4/5/2016	NA	29.65	0.00	4834.25
			4/19/2016	NA	29.19	0.00	4834.71
			4/26/2016	NA	28.98	0.00	4834.92
			5/5/2016	NA	29.18	0.00	4834.72
			6/6/2016	NA	29.27	0.00	4834.63
			6/20/2016	NA	29.30	0.00	4834.60
			8/11/2016	NA	29.30	0.00	4834.60
			9/15/2016	NA	29.20	0.00	4834.70
			12/15/2016	NA	29.15	0.00	4834.75
			3/16/2017	NA	29.13	0.00	4834.77
			6/15/2017	NA	29.53	0.00	4834.37
			9/14/2017	NA	29.47	0.00	4834.43
			12/19/2017	NA	30.00	0.00	4833.90
			3/15/2018	NA	28.49	0.00	4835.41
			6/11/2018	NA	28.78	0.00	4835.12
			9/10/2018	NA	27.63	0.00	4836.27
			12/27/2018	NA	28.04	0.00	4835.86
MW-17	4866.5	44.00	3/16/2016	NA	Dry	0.00	
			3/21/2016	43.16	NA	0.84	
			3/22/2016	44.45	45.53	1.08	4821.84
			3/29/2016	39.16	43.55	4.39	4826.48
			4/5/2016	36.62	42.32	5.70	4828.76
			4/19/2016	34.22	42.25	8.03	4830.71
			4/26/2016	33.39	42.16	8.77	4831.39
			5/5/2016	33.04	42.05	9.01	4831.69
			6/6/2016	32.71	41.94	9.23	4831.98
			6/20/2016	36.13	43.14	7.01	4829.00
			8/11/2016	44.20	45.25	1.05	4822.09
			9/15/2016	40.19	43.34	3.15	4825.69
			12/15/2016	40.75	43.09	2.34	4825.29
			3/16/2017	38.92	41.12	2.20	4827.15
			6/15/2017	38.00	39.74	1.74	4828.16
			9/14/2017	NG	NG		NG
			12/19/2017	33.50	35.59	2.09	4832.59
			3/15/2018	32.75	33.05	0.30	4833.69
			6/11/2018	32.81	33.33	0.52	4833.59
			9/10/2018	32.18	32.45	0.27	4834.27
			12/27/2018	32.25	32.55	0.30	4834.19
MW-18	4869.2	44.00	3/16/2016	NA	38.87	0.00	4830.33
			3/21/2016	NA	37.72	0.00	4831.48
			3/22/2016	NA	38.10	0.00	4831.10
			3/29/2016	NA	37.55	0.00	4831.65
			4/5/2016	NA	37.74	0.00	4831.46
			4/19/2016	NA	37.87	0.00	4831.33
			4/26/2016	NA	37.55	0.00	4831.65
			5/5/2016	NA	37.79	0.00	4831.41
			6/6/2016	NA	37.75	0.00	4831.45
			6/20/2016	NA	37.90	0.00	4831.30
			8/11/2016	NA	37.63	0.00	4831.57
			9/15/2016	NA	37.56	0.00	4831.64
			12/15/2016	NA	37.33	0.00	4831.87
			3/16/2017	NA	37.29	0.00	4831.91
			6/15/2017	NA	37.49	0.00	4831.71
			9/14/2017	NA	36.60	0.00	4832.60
			12/19/2017	NA	28.90	0.00	4840.30
			3/15/2018	NA	35.45	0.00	4833.75
			6/11/2018	NA	35.48	0.00	4833.72
			9/10/2018	NA	35.34	0.00	4833.86
			12/27/2018	NA	35.25	0.00	4833.95



Table 3 - Gauging Data

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-19	4870.8	39.00	3/21/2016	NA	Dry	0.00	
			3/22/2016	NA	Dry	0.00	
			3/29/2016	NA	Dry	0.00	
			4/5/2016	NA	Dry	0.00	
			4/19/2016	NA	39.87	0.00	4830.93
			4/26/2016	NA	39.56	0.00	4831.24
			5/5/2016	NA	39.44	0.00	4831.36
			6/6/2016	NA	39.20	0.00	4831.60
			6/20/2016	NA	39.18	0.00	4831.62
			8/11/2016	NA	39.10	0.00	4831.70
			9/15/2016	NA	39.05	0.00	4831.75
			12/15/2016	NA	38.92	0.00	4831.88
			3/16/2017	NA	38.81	0.00	4831.99
			6/15/2017	NA	38.68	0.00	4832.12
			9/14/2017	NA	38.50	0.00	4832.30
			12/19/2017	NA	38.25	0.00	4832.55
			3/15/2018	NA	37.78	0.00	4833.02
			6/11/2018	NA	38.62	0.00	4832.18
			9/10/2018	NA	38.15	0.00	4832.65
			12/27/2018	NA	37.45	0.00	4833.35
MW-20	4867.5	39.00	3/21/2016	33.95	38.85	4.90	4832.59
			3/22/2016	38.35	40.21	1.86	4828.79
			3/29/2016	38.34	39.15	0.81	4829.00
			4/5/2016	33.52	38.88	5.36	4832.93
			4/19/2016	33.67	38.29	4.62	4832.92
			4/26/2016	33.26	38.05	4.79	4833.30
			5/5/2016	33.60	36.30	2.70	4833.37
			6/6/2016	33.85	38.85	5.00	4832.67
			6/20/2016	33.80	38.30	4.50	4832.82
			8/11/2016	35.02	38.32	3.30	4831.83
			9/15/2016	33.89	37.57	3.68	4832.89
			12/15/2016	34.10	35.90	1.80	4833.05
			3/16/2017	34.27	35.91	1.64	4832.91
			6/15/2017	34.27	35.88	1.61	4832.91
			9/14/2017	NG	NG	NG	NG
			12/19/2017	34.06	35.65	1.59	4833.13
			3/15/2018	33.95	34.99	1.04	4833.35
			6/11/2018	34.15	34.30	0.15	4833.32
			9/10/2018	33.95	34.88	0.93	4833.37
			12/27/2018	34.02	34.20	0.18	4833.44
MW-21	4863.8	40.15	6/29/2017	NA	Drv	0.00	
			9/14/2017	30.78	32.29	1.51	4832.72
			12/19/2017	29.33	33.10	3.77	4833.73
			3/15/2018	29.68	29.80	0.12	4834.10
			6/11/2018	29.85	29.90	0.05	4833.94
			9/10/2018	NA	30.16	0.00	4833.64
			12/27/2018	NA	30.24	0.00	4833.56
MW-22	4866.7	39.68	6/29/2017	35.69	35.88	0.19	4830.97
			9/14/2017	33.97	34.09	0.12	4832.71
			12/19/2017	NA	32.17	0.00	4834.53
			3/15/2018	NA	30.65	0.00	4836.05
			6/11/2018	NA	31.54	0.00	4835.16
			9/10/2018	NA	32.20	0.00	4834.50
			12/27/2018	NA	32.42	0.00	4834.28
MW-23	4866.9	35.36	4/20/2018	NA	DRY	0.00	
			5/1/2018	NA	34.35	0.00	4832.55
			6/11/2018	33.37	33.80	0.43	4833.45
			9/10/2018	33.50	33.98	0.48	4833.31
			12/27/2018	33.45	34.10	0.65	4833.32
MW-24	4870.5	47.32	4/20/2018	NA	40.40	0.00	4830.10
			5/1/2018	NA	37.60	0.00	4832.90
			6/11/2018	NA	36.55	0.00	4833.95
			9/10/2018	NA	36.82	0.00	4833.68
			12/27/2018	NA	36.98	0.00	4833.52
MW-25	4862.3	31.82	4/20/2018	NA	DRY	0.00	
			5/1/2018	NA	29.97	0.00	4832.33
			5/10/2018	NA	29.34	0.00	4832.96
			6/11/2018	NA	28.84	0.00	4833.46
			9/10/2018	NA	28.95	0.00	4833.35
			12/27/2018	NA	28.89	0.00	4833.41
MW-26	4866.8	36.85	4/20/2018	NA	DRY	0.00	
			5/1/2018	NA	DRY	0.00	
			5/10/2018	NA	DRY	0.00	
			6/11/2018	NA	36.05	0.00	4830.75
			9/10/2018	NA	35.79	0.00	4831.01
			12/27/2018	NA	35.82	0.00	4830.98



Table 3 - Gauging Data

**Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado**

Well ID	Top of Casing Elevation (ft amsl)	Total Depth of Well (ft)	Date Gauged	Depth to Product (ft btoc)	DTW (ft btoc)	Product Thickness (ft)	Potentiometric Surface Elevation (ft)
MW-27	4872.1	45.32	5/1/2018	42.00	42.70	0.70	4829.96
			6/11/2018	41.81	42.38	0.57	4830.18
			9/10/2018	41.70	42.77	1.07	4830.19
			12/27/2018	42.01	42.54	0.53	4829.99
MW-28	4878.2	56.20	6/11/2018	NA	40.33	0.00	4837.87
			9/10/2018	NA	40.55	0.00	4837.65
			12/27/2018	NA	40.51	0.00	4837.69
MW-29	4872.8	46.18	6/11/2018	NA	DRY	0.00	
			9/10/2018	NA	DRY	0.00	
			12/27/2018	NA	DRY	0.00	
MW-30	4868.9	37.16	6/11/2018	NA	33.12	0.00	4835.78
			9/10/2018	NA	32.44	0.00	4836.46
			12/27/2018	NA	32.45	0.00	4836.45
MW-31	4858.2	31.41	6/11/2018	NA	DRY	0.00	
			9/10/2018	NA	DRY	0.00	
			12/27/2018	NA	DRY	0.00	

NA - Not Applicable

NG - Not Gauged

DTW - Depth to Water

ft btoc - Feet Below Top of Casing

ft amsl - Feet Above Mean Sea Level



Table 4 - PSH Removal

Whiting Oil and Gas Corporation
Nelson C-1
Weld County, Colorado

Well ID	Cumulative PSH Recovered (gallons)
MW-1	0.13
MW-2	0.44
MW-3	51.18
MW-4	0.00
MW-5	34.37
MW-6	47.03
MW-7	49.67
MW-17	91.92
MW-20	167.33
MW-21	7.70
MW-22	0.00
MW-23	10.99
MW-24	0.03
MW-25	0.00
MW-26	0.00
MW-27	38.54
Site Total	499.32
PSH - Phase Separated Hydrocarbons	
Table does not account for approximately 200 gallons of free product recovered using the skimmer pump system	

Attachment 3
Analytical Report

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

March 23, 2018

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/16/18 16:03. 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: Nelson C1

Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	1803216-01	Water	03/16/18 12:15	03/16/18 16:03
MW-2	1803216-02	Water	03/16/18 12:18	03/16/18 16:03
MW-4	1803216-03	Water	03/16/18 12:13	03/16/18 16:03
MW-6	1803216-04	Water	03/16/18 12:23	03/16/18 16:03
MW-8	1803216-05	Water	03/16/18 12:10	03/16/18 16:03
MW-9	1803216-06	Water	03/16/18 10:47	03/16/18 16:03
MW-10	1803216-07	Water	03/16/18 11:59	03/16/18 16:03
MW-11	1803216-08	Water	03/16/18 11:23	03/16/18 16:03
MW-12	1803216-09	Water	03/16/18 11:08	03/16/18 16:03
MW-13	1803216-10	Water	03/16/18 11:04	03/16/18 16:03
MW-14	1803216-11	Water	03/16/18 11:00	03/16/18 16:03
MW-15	1803216-12	Water	03/16/18 10:53	03/16/18 16:03
MW-16	1803216-13	Water	03/16/18 12:07	03/16/18 16:03
MW-18	1803216-14	Water	03/16/18 11:28	03/16/18 16:03
MW-19	1803216-15	Water	03/16/18 11:18	03/16/18 16:03
MW-22	1803216-16	Water	03/16/18 12:03	03/16/18 16:03
Dup	1803216-17	Water	03/16/18 00:00	03/16/18 16:03

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: Nelson C1

Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

Summit Scientific

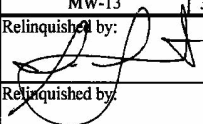
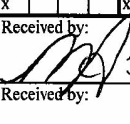
1803216.1

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

Page 1 of 2 ~~2~~ ~~2~~ ~~2~~

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:	Jennifer Galles
E-Mail:	csterling@talonlpe.com and jgalles@talonlpe.com
Project Name:	Nelson C1
Project Number:	701530.020.11

				Preservative				Matrix				Analyze For:									
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX							Special Instructions		
MW-1	3/16/2018	1215	3	x				x				x									
MW-2	3/16/2018	1218	3	x				x				x									
MW-4	3/16/2018	1213	3	x				x				x									
MW-6	3/16/2018	1223	3	x				x				x									
MW-8	3/16/2018	1210	3	x				x				x									
MW-9	3/16/2018	1047	3	x				x				x									
MW-10	3/16/2018	1159	3	x				x				x									
MW-11	3/16/2018	1123	3	x				x				x									
MW-12	3/16/2018	1108	3	x				x				x									
MW-13	3/16/2018	1104	3	x				x				x									
Relinquished by: 			Date/Time: 3.16.18 16:03		Received by: 		Date/Time: 3/16/18 1603		Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>										Notes:		
Relinquished by:			Date/Time:		Received by:		Date/Time:		Sample Integrity: Temperature Upon Receipt: 19.4°C Intact: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>												
Relinquished by:			Date/Time:		Received in Lab by:		Date/Time:														

www.s2scientific.com

Summit Scientific

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





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

Sample Receipt Checklist

S2 Work Order: 1803216

Client: Talon/LPE

Client Project ID: Nelson C1

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)	19.4				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ?		✓		
NOTE: If samples are delivered the same day of sampling, this requirement is waived 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⁾ ?	✓			HCl
Note the type of preservative in the Comments column – HCl, H ₂ SO ₄ , NaOH, HNO ₃ , ect				
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ?			✓	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			✓	

Additional Comments (if any):

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

Nakita
Custodian Printed Name

[Signature]
Signature or Initials of Custodian

3/16/18 1730
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-1
1803216-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	11000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	11000	100	"	"	"	"	"	"	
Ethylbenzene	910	100	"	"	"	"	"	"	
Xylenes (total)	6000	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.8 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-2
1803216-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	13000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	12000	100	"	"	"	"	"	"	
Ethylbenzene	1100	100	"	"	"	"	"	"	
Xylenes (total)	7600	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.3 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		87.5 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.7 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-4
1803216-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	8400	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	9800	100	"	"	"	"	"	"	
Ethylbenzene	860	100	"	"	"	"	"	"	
Xylenes (total)	6900	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		84.3 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.9 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-6
1803216-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	10000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	9900	100	"	"	"	"	"	"	
Ethylbenzene	1100	100	"	"	"	"	"	"	
Xylenes (total)	5900	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		84.2 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-8
1803216-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	11000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	13000	100	"	"	"	"	"	"	
Ethylbenzene	740	100	"	"	"	"	"	"	
Xylenes (total)	6900	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-9
1803216-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 10:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3.5	1.0	ug/l	1	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	8.5	1.0	"	"	"	"	"	"	
Ethylbenzene	1.1	1.0	"	"	"	"	"	"	
Xylenes (total)	9.9	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 10:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.9 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.9 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-10
1803216-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1.6	1.0	ug/l	1	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	3.8	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	3.1	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.8 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.1 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-11
1803216-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.3	1.0	ug/l	1	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	4.1	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	4.3	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		84.1 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.9 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.3 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-12
1803216-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	1.7	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.4 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-13
1803216-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		90.6 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.3 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-14
1803216-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1600	100	ug/l	100	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	53	1.0	"	1	"	"	"	"	
Ethylbenzene	200	1.0	"	"	"	"	"	"	
Xylenes (total)	380	200	"	100	"	"	"	"	

Date Sampled: **03/16/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.2 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.6 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-15
1803216-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 10:53**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3200	100	ug/l	100	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	2400	100	"	"	"	"	"	"	
Ethylbenzene	600	100	"	"	"	"	"	"	
Xylenes (total)	4100	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 10:53**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.8 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-16
1803216-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	11000	100	ug/l	100	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	11000	100	"	"	"	"	"	"	
Ethylbenzene	860	100	"	"	"	"	"	"	
Xylenes (total)	5200	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.1 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.5 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-18
1803216-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	420	100	ug/l	100	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	61	1.0	"	1	"	"	"	"	
Ethylbenzene	8.1	1.0	"	"	"	"	"	"	
Xylenes (total)	40	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.7 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-19
1803216-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		91.7 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		95.9 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

MW-22
1803216-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3000	100	ug/l	100	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	6800	100	"	"	"	"	"	"	
Ethylbenzene	560	100	"	"	"	"	"	"	
Xylenes (total)	4000	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.0 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.6 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

Dup
1803216-17 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1900	100	ug/l	100	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	1500	100	"	"	"	"	"	"	
Ethylbenzene	320	100	"	"	"	"	"	"	
Xylenes (total)	2400	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.7 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1803232 - EPA 5030 Water MS

Blank (1803232-BLK1)

Prepared & Analyzed: 03/20/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	10.9		"	13.3		81.5	37-154			
Surrogate: Toluene-d8	11.4		"	13.3		85.4	45-149			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.5	45-146			

LCS (1803232-BS1)

Prepared & Analyzed: 03/20/18

Benzene	30.0	1.0	ug/l	33.3		90.0	51-132			
Toluene	32.4	1.0	"	33.3		97.4	51-138			
Ethylbenzene	33.9	1.0	"	33.1		102	58-146			
m,p-Xylene	66.8	2.0	"	66.5		100	57-144			
o-Xylene	32.7	1.0	"	32.7		100	53-146			
Surrogate: 1,2-Dichloroethane-d4	12.2		"	13.3		91.3	37-154			
Surrogate: Toluene-d8	13.9		"	13.3		104	45-149			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.1	45-146			

Matrix Spike (1803232-MS1)

Source: 1803216-01

Prepared & Analyzed: 03/20/18

Benzene	30.7	1.0	ug/l	33.3	11400	NR	34-141			
Toluene	32.7	1.0	"	33.3	10600	NR	27-151			
Ethylbenzene	36.9	1.0	"	33.1	907	NR	29-160			
m,p-Xylene	72.4	2.0	"	66.5	4240	NR	20-166			
o-Xylene	35.4	1.0	"	32.7	1790	NR	33-159			
Surrogate: 1,2-Dichloroethane-d4	12.3		"	13.3		92.1	37-154			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	45-149			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.2	45-146			

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

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

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

Batch 1803232 - EPA 5030 Water MS

Matrix Spike Dup (1803232-MSD1)	Source: 1803216-01			Prepared & Analyzed: 03/20/18						
Benzene	32.1	1.0	ug/l	33.3	11400	NR	34-141	4.49	32	
Toluene	35.2	1.0	"	33.3	10600	NR	27-151	7.25	25	
Ethylbenzene	39.2	1.0	"	33.1	907	NR	29-160	6.17	50	
m,p-Xylene	77.6	2.0	"	66.5	4240	NR	20-166	6.84	36	
o-Xylene	38.2	1.0	"	32.7	1790	NR	33-159	7.51	26	
Surrogate: 1,2-Dichloroethane-d4	12.4		"	13.3		93.2	37-154			
Surrogate: Toluene-d8	13.1		"	13.3		98.6	45-149			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.4	45-146			

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/23/18 10:42

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 29, 2018

Jennifer Galles
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524
RE: Nelson C1

Enclosed are the results of analyses for samples received by Summit Scientific on 03/16/18 16:03. 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: Nelson C1

Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	1803216-01	Water	03/16/18 12:15	03/16/18 16:03
MW-2	1803216-02	Water	03/16/18 12:18	03/16/18 16:03
MW-4	1803216-03	Water	03/16/18 12:13	03/16/18 16:03
MW-6	1803216-04	Water	03/16/18 12:23	03/16/18 16:03
MW-8	1803216-05	Water	03/16/18 12:10	03/16/18 16:03
MW-9	1803216-06	Water	03/16/18 10:47	03/16/18 16:03
MW-10	1803216-07	Water	03/16/18 11:59	03/16/18 16:03
MW-11	1803216-08	Water	03/16/18 11:23	03/16/18 16:03
MW-12	1803216-09	Water	03/16/18 11:08	03/16/18 16:03
MW-13	1803216-10	Water	03/16/18 11:04	03/16/18 16:03
MW-14	1803216-11	Water	03/16/18 11:00	03/16/18 16:03
MW-15	1803216-12	Water	03/16/18 10:53	03/16/18 16:03
MW-16	1803216-13	Water	03/16/18 12:07	03/16/18 16:03
MW-18	1803216-14	Water	03/16/18 11:28	03/16/18 16:03
MW-19	1803216-15	Water	03/16/18 11:18	03/16/18 16:03
MW-22	1803216-16	Water	03/16/18 12:03	03/16/18 16:03
Dup	1803216-17	Water	03/16/18 00:00	03/16/18 16:03

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: Nelson C1

Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

Summit Scientific

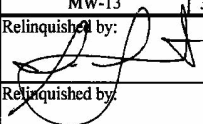
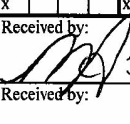
1803216.1

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

Page 1 of 2 ~~2~~ ~~2~~ ~~2~~

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:	Jennifer Galles
E-Mail:	csterling@talonlpe.com and jgalles@talonlpe.com
Project Name:	Nelson C1
Project Number:	701530.020.11

				Preservative				Matrix				Analyze For:								
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX							Special Instructions	
MW-1	3/16/2018	1215	3	x				x				x								
MW-2	3/16/2018	1218	3	x				x				x								
MW-4	3/16/2018	1213	3	x				x				x								
MW-6	3/16/2018	1223	3	x				x				x								
MW-8	3/16/2018	1210	3	x				x				x								
MW-9	3/16/2018	1047	3	x				x				x								
MW-10	3/16/2018	1159	3	x				x				x								
MW-11	3/16/2018	1123	3	x				x				x								
MW-12	3/16/2018	1108	3	x				x				x								
MW-13	3/16/2018	1104	3	x				x				x								
Relinquished by: 			Date/Time: 3-16-18 16:03		Received by: 		Date/Time: 3/16/18 1603		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 type="checkbox"/>				Standard <input checked="" type="checkbox"/>							
Relinquished by:			Date/Time:		Received in Lab by:		Date/Time:		Sample Integrity:											
Relinquished by:			Date/Time:		Received in Lab by:		Date/Time:		Temperature Upon Receipt: 194°C											
Relinquished by:			Date/Time:		Received in Lab by:		Date/Time:		Intact: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO											

www.s2scientific.com

Summit Scientific

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



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1

Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

Summit Scientific

1803216.2

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

Page 2 of 2

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

Project Manager:	Jennifer Galles
E-Mail:	csterling@talonlpe.com and jgalles@talonlpe.com
Project Name:	Nelson C1
Project Number:	701530.020.11

				Preservative				Matrix			Analyze For:													
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX												Special Instructions
MW-14	3/16/2018	1100	3	x				x				x												
MW-15	3/16/2018	1053	3	x				x				x												
MW-16	3/16/2018	1207	3	x				x				x												
MW-18	3/16/2018	1128	3	x				x				x												
MW-19	3/16/2018	1118	3	x				x				x												
MW-22	3/16/2018	1203	3	x				x				x												
Relinquished by:	Date/Time:		Received by:				Date/Time:		Turn Around Time (Check)										Notes:					
	3.16.18 16:03		[Signature] 3/16/18				1603		Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/>															
Relinquished by:	Date/Time:		Received by:				Date/Time:		24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>															
	Date/Time:		Received in Lab by:				Date/Time:		Sample Integrity:															
									Temperature Upon Receipt: 19.4°C															
									Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No															

www.s2scientific.com

Summit Scientific

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





Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

Sample Receipt Checklist

S2 Work Order: 1803216

Client: Talon/LPE

Client Project ID: Nelson C1

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)	19.4				

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature just above 0°C to ≤ 6°C ⁽¹⁾ ?		✓		
NOTE: If samples are delivered the same day of sampling, this requirement is waived 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⁾ ?	✓			HCl
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

3/16/18 1730
Date/Time



Talon/LPE
1811 E Mulberry
Ft Collins CO, 80524

Project: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-1
1803216-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	11000	100		ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	11000	100		"	"	"	"	"	"	
Ethylbenzene	910	100		"	"	"	"	"	"	
Xylenes (total)	6000	200		"	"	"	"	"	"	

Date Sampled: **03/16/18 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		91.4 %		37-154		"	"	"	"	
Surrogate: Toluene-d8		97.3 %		45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.8 %		45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-2
1803216-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	13000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	12000	100	"	"	"	"	"	"	
Ethylbenzene	1100	100	"	"	"	"	"	"	
Xylenes (total)	7600	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.3 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		87.5 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.7 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-4
1803216-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	8400	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	9800	100	"	"	"	"	"	"	
Ethylbenzene	860	100	"	"	"	"	"	"	
Xylenes (total)	6900	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		84.3 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.9 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-6
1803216-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	10000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	9900	100	"	"	"	"	"	"	
Ethylbenzene	1100	100	"	"	"	"	"	"	
Xylenes (total)	5900	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		84.2 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		92.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-8
1803216-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	11000	100	ug/l	100	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	13000	100	"	"	"	"	"	"	
Ethylbenzene	740	100	"	"	"	"	"	"	
Xylenes (total)	6900	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.2 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-9
1803216-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 10:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3.5	1.0	ug/l	1	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	8.5	1.0	"	"	"	"	"	"	
Ethylbenzene	1.1	1.0	"	"	"	"	"	"	
Xylenes (total)	9.9	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 10:47**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		83.9 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.9 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		93.8 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-10
1803216-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1.6	1.0	ug/l	1	1803232	03/20/18	03/20/18	EPA 8260B	
Toluene	3.8	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	3.1	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		85.8 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.1 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-11
1803216-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	5.3	1.0	ug/l	1	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	4.1	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	4.3	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		84.1 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		89.9 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.3 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-12
1803216-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	1.7	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		89.4 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		101 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-13
1803216-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:04**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		90.6 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.3 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-14
1803216-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1600	100	ug/l	100	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	53	1.0	"	1	"	"	"	"	
Ethylbenzene	200	1.0	"	"	"	"	"	"	
Xylenes (total)	380	200	"	100	"	"	"	"	

Date Sampled: **03/16/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		85.2 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		89.3 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.6 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-15
1803216-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 10:53**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2500	100	ug/l	100	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	1800	100	"	"	"	"	"	"	
Ethylbenzene	510	100	"	"	"	"	"	"	
Xylenes (total)	3700	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 10:53**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		89.6 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		98.8 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-16
1803216-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	11000	100	ug/l	100	1803232	03/21/18	03/21/18	EPA 8260B	
Toluene	11000	100	"	"	"	"	"	"	
Ethylbenzene	860	100	"	"	"	"	"	"	
Xylenes (total)	5200	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		91.4 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.1 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.5 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-18
1803216-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	420	100	ug/l	100	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	61	1.0	"	1	"	"	"	"	
Ethylbenzene	8.1	1.0	"	"	"	"	"	"	
Xylenes (total)	40	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:28**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.0 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.7 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.0 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-19
1803216-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 11:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **03/16/18 11:18**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		91.7 %	37-154		"	"	"	"	
Surrogate: Toluene-d8		95.9 %	45-149		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

MW-22
1803216-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 12:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	3000	100	ug/l	100	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	6800	100	"	"	"	"	"	"	
Ethylbenzene	560	100	"	"	"	"	"	"	
Xylenes (total)	4000	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 12:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		86.0 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.6 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		100 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

Dup
1803216-17 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **03/16/18 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2700	100	ug/l	100	1803232	03/22/18	03/22/18	EPA 8260B	
Toluene	2200	100	"	"	"	"	"	"	
Ethylbenzene	570	100	"	"	"	"	"	"	
Xylenes (total)	4200	200	"	"	"	"	"	"	

Date Sampled: **03/16/18 00:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		87.5 %	37-154		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		97.4 %	45-149		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.7 %	45-146		"	"	"	"	

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1803232 - EPA 5030 Water MS

Blank (1803232-BLK1)

Prepared & Analyzed: 03/20/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	10.9		"	13.3		81.5	37-154			
Surrogate: Toluene-d8	11.4		"	13.3		85.4	45-149			
Surrogate: 4-Bromofluorobenzene	13.1		"	13.3		98.5	45-146			

LCS (1803232-BS1)

Prepared & Analyzed: 03/20/18

Benzene	30.0	1.0	ug/l	33.3		90.0	51-132			
Toluene	32.4	1.0	"	33.3		97.4	51-138			
Ethylbenzene	33.9	1.0	"	33.1		102	58-146			
m,p-Xylene	66.8	2.0	"	66.5		100	57-144			
o-Xylene	32.7	1.0	"	32.7		100	53-146			
Surrogate: 1,2-Dichloroethane-d4	12.2		"	13.3		91.3	37-154			
Surrogate: Toluene-d8	13.9		"	13.3		104	45-149			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		97.1	45-146			

Matrix Spike (1803232-MS1)

Source: 1803216-01

Prepared & Analyzed: 03/20/18

Benzene	30.7	1.0	ug/l	33.3	11400	NR	34-141			
Toluene	32.7	1.0	"	33.3	10600	NR	27-151			
Ethylbenzene	36.9	1.0	"	33.1	907	NR	29-160			
m,p-Xylene	72.4	2.0	"	66.5	4240	NR	20-166			
o-Xylene	35.4	1.0	"	32.7	1790	NR	33-159			
Surrogate: 1,2-Dichloroethane-d4	12.3		"	13.3		92.1	37-154			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	45-149			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.2	45-146			

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

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

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

Batch 1803232 - EPA 5030 Water MS

Matrix Spike Dup (1803232-MSD1)	Source: 1803216-01			Prepared & Analyzed: 03/20/18						
Benzene	32.1	1.0	ug/l	33.3	11400	NR	34-141	4.49	32	
Toluene	35.2	1.0	"	33.3	10600	NR	27-151	7.25	25	
Ethylbenzene	39.2	1.0	"	33.1	907	NR	29-160	6.17	50	
m,p-Xylene	77.6	2.0	"	66.5	4240	NR	20-166	6.84	36	
o-Xylene	38.2	1.0	"	32.7	1790	NR	33-159	7.51	26	
Surrogate: 1,2-Dichloroethane-d4	12.4		"	13.3		93.2	37-154			
Surrogate: Toluene-d8	13.1		"	13.3		98.6	45-149			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.4	45-146			

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: Nelson C1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
03/29/18 15:01

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

June 19, 2018

Jennifer Galles
Talon/LPE
1811 East Mulberry
Fort Collins, CO 80525
RE: Nelson C-1

Enclosed are the results of analyses for samples received by Summit Scientific on 06/12/18 15:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

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

Paul Shrewsbury For Ben Shrewsbury
Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1

Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-02	1806151-01	Water	06/12/18 11:15	06/12/18 15:35
MW-04	1806151-02	Water	06/12/18 12:13	06/12/18 15:35
MW-06	1806151-03	Water	06/12/18 11:07	06/12/18 15:35
MW-08	1806151-04	Water	06/12/18 10:27	06/12/18 15:35
MW-09	1806151-05	Water	06/12/18 12:08	06/12/18 15:35
MW-10	1806151-06	Water	06/12/18 11:32	06/12/18 15:35
MW-11	1806151-07	Water	06/12/18 10:57	06/12/18 15:35
MW-12	1806151-08	Water	06/12/18 10:45	06/12/18 15:35
MW-13	1806151-09	Water	06/12/18 10:42	06/12/18 15:35
MW-14	1806151-10	Water	06/12/18 10:37	06/12/18 15:35
MW-16	1806151-11	Water	06/12/18 11:23	06/12/18 15:35
MW-18	1806151-12	Water	06/12/18 11:03	06/12/18 15:35
MW-19	1806151-13	Water	06/12/18 10:52	06/12/18 15:35
MW-22	1806151-14	Water	06/12/18 11:37	06/12/18 15:35
MW-24	1806151-15	Water	06/12/18 11:45	06/12/18 15:35
MW-25	1806151-16	Water	06/12/18 11:53	06/12/18 15:35
MW-26	1806151-17	Water	06/12/18 11:58	06/12/18 15:35
MW-28	1806151-18	Water	06/12/18 09:20	06/12/18 15:35
MW-30	1806151-19	Water	06/12/18 09:05	06/12/18 15:35
Dup-A	1806151-20	Water	06/12/18 11:00	06/12/18 15:35
Dup-B	1806151-21	Water	06/12/18 10:40	06/12/18 15:35
Dup-C	1806151-22	Water	06/12/18 11:26	06/12/18 15:35

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.

1806151.1

Summit Scientific

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

Page 1 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.12

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														
MW-02	6/12/2018	11:15	3	x				x				x														
MW-04	6/12/2018	12:13	3	x				x				x														
MW-06	6/12/2018	11:07	3	x				x				x														
MW-08	6/12/2018	10:27	3	x				x				x														
MW-09	6/12/2018	12:08	3	x				x				x														
MW-10	6/12/2018	11:32	3	x				x				x														
MW-11	6/12/2018	10:57	3	x				x				x														
MW-12	6/12/2018	10:45	3	x				x				x														
MW-13	6/12/2018	10:42	3	x				x				x														
MW-14	6/12/2018	10:37	3	x				x				x														
Relinquished by: <i>Jennifer Galles</i> 6/12/18 1535				Date/Time: 6/12/18 1535				Received by: <i>[Signature]</i>				Date/Time: 6/12/18 1535				Turn Around Time (Check)										on ice
Relinquished by:				Date/Time:				Received by:				Date/Time:				Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>										
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Sample Integrity: Temperature Upon Receipt: 9.5 Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										

Summit Scientific

Page 2 of 3

Project Manager:	Jennifer Galles
E-Mail:	jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name:	Nelson C-1
Project Number:	701530.020.12

				Preservative				Matrix				Analyze For:															
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX													Special Instructions		
MW-16	6/12/2018	11:23	3	x				x				x															
MW-18	6/12/2018	11:03	3	x				x				x															
MW-19	6/12/2018	10:52	3	x				x				x															
MW-22	6/12/2018	11:37	3	x				x				x															
MW-24	6/12/2018	11:45	3	x				x				x															
MW-25	6/12/2018	11:53	3	x				x				x															
MW-26	6/12/2018	11:58	3	x				x				x															
MW-28	6/12/2018	9:20	3	x				x				x															
MW-30	6/12/2018	9:05	3	x				x				x															
Dup-A	6/12/2018	11:00	3	x				x				x															
Relinquished by: Jennifer Gailer 6/12/18 1535				Date/Time: 6/12/18 1535				Received by: [Signature]				Date/Time: 6/12/18 1535				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 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: _____ Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No											

Summit Scientific

Page 3 of 3

Project Manager:	Jennifer Galles
E-Mail:	jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name:	Nelson C-1
Project Number:	701530.020.12

				Preservative				Matrix				Analyze For:													
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX													Special Instructions
Dup-B	6/12/2018	10:40	3	x				x				x													
Dup-C	6/12/2018	11:26	3	x				x				x													

Relinquished by: *Janet Gallus*

Date/Time: *6/12/18 1535*

Received by: *[Signature]*

Date/Time: *6.12.18 1535*

Turn Around Time (Check)

Same Day

72 Hours

24 Hours

Standard

48 Hours

☐

☐

☐

☒

☐

Relinquished by:

Date/Time:

Received by:

Date/Time:

Sample Integrity:

Temperature Upon Receipt:

Intact: Yes No

☐

☐

Relinquished by:

Date/Time:

Received in Lab by:

Date/Time:

Sample Receipt Checklist

S2 Work Order: 1806151

Client: TALON CPE Client Project ID: NELSON G1

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

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

Temp (°C)	<u>9.5</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⁾ ?	<u> / </u>			
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⁾ ?	<u> / </u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u> / </u>			
If custody seals are present, are they intact ⁽¹⁾ ?			<u> / </u>	
Are samples with holding times due within 48 hours sample due within 48 hours present?			<u> / </u>	
Is a chain-of-custody (COC) form present and filled out completely ⁽¹⁾ ?	<u> / </u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u> / </u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u> / </u>			
Is the COC properly relinquished by the client w/ date and time recorded ⁽¹⁾ ?	<u> / </u>			
For volatiles in water – is there headspace present? If yes, contact client and note in narrative.		<u> / </u>		
Are samples preserved that require preservation (excluding cooling) ⁽¹⁾ ?	<u> / </u>			<u>HCl</u>
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⁾ ?			<u> / </u>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?			<u> / </u>	

Additional Comments (if any):

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

WP
Custodian Printed Name or Initials

[Signature]
Signature or Initials of Custodian

6.12.18 1632
Date/Time



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-02
1806151-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	7500	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	6400	100	"	"	"	"	"	"	
Ethylbenzene	520	100	"	"	"	"	"	"	
Xylenes (total)	2900	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-04
1806151-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 12:13**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	8100	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	7800	100	"	"	"	"	"	"	
Ethylbenzene	660	100	"	"	"	"	"	"	
Xylenes (total)	3000	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 12:13**

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>		100 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-06
1806151-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	6100	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	5100	100	"	"	"	"	"	"	
Ethylbenzene	530	100	"	"	"	"	"	"	
Xylenes (total)	3800	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:07**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-08
1806151-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	12000	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	12000	100	"	"	"	"	"	"	
Ethylbenzene	670	100	"	"	"	"	"	"	
Xylenes (total)	3700	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:27**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		113 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		103 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-09
1806151-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	1.4	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 12:08**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		106 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-10
1806151-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:32**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-11
1806151-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:57**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:57**

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		99.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-12
1806151-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.7 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-13
1806151-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:42**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-14
1806151-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1500	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	380	100	"	"	"	"	"	"	
Ethylbenzene	180	1.0	"	1	"	"	"	"	
Xylenes (total)	210	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:37**

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>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-16
1806151-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:23**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	9600	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	9400	100	"	"	"	"	"	"	
Ethylbenzene	740	100	"	"	"	"	"	"	
Xylenes (total)	3000	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:23**

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>		102 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-18
1806151-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	230	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	35	1.0	"	"	"	"	"	"	
Ethylbenzene	4.4	1.0	"	"	"	"	"	"	
Xylenes (total)	35	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:03**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		117 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		106 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-19
1806151-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:52**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:52**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.4 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-22
1806151-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:37**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2600	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	5600	100	"	"	"	"	"	"	
Ethylbenzene	510	100	"	"	"	"	"	"	
Xylenes (total)	2300	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:37**

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>		101 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-24
1806151-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	4600	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	9300	100	"	"	"	"	"	"	
Ethylbenzene	210	100	"	"	"	"	"	"	
Xylenes (total)	2900	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		109 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		99.0 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		103 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-25
1806151-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:53**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	2200	100	ug/l	100	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	5800	100	"	"	"	"	"	"	
Ethylbenzene	180	100	"	"	"	"	"	"	
Xylenes (total)	2200	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:53**

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>		99.9 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-26
1806151-17 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:58**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:58**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		110 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.7 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-28
1806151-18 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	1.6	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 09:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		111 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.4 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

MW-30
1806151-19 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 09:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 09:05**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

Dup-A
1806151-20 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	1806192	06/13/18	06/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

Dup-B
1806151-21 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 10:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	1100	10	ug/l	10	1806219	06/14/18	06/15/18	EPA 8260B	
Toluene	43	1.0	"	1	"	"	"	"	
Ethylbenzene	170	1.0	"	"	"	"	"	"	
Xylenes (total)	210	2.0	"	"	"	"	"	"	

Date Sampled: **06/12/18 10:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<i>Surrogate: 1,2-Dichloroethane-d4</i>		125 %	23-173		"	"	"	"	
<i>Surrogate: Toluene-d8</i>		102 %	20-170		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		106 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

Dup-C
1806151-22 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **06/12/18 11:26**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	8300	100	ug/l	100	1806219	06/14/18	06/16/18	EPA 8260B	
Toluene	8300	100	"	"	"	"	"	"	
Ethylbenzene	660	100	"	"	"	"	"	"	
Xylenes (total)	2700	200	"	"	"	"	"	"	

Date Sampled: **06/12/18 11:26**

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>		99.5 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1806192 - EPA 5030 Water MS

Blank (1806192-BLK1)

Prepared: 06/13/18 Analyzed: 06/15/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.5		"	13.2		102	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	20-170			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		96.4	21-167			

LCS (1806192-BS1)

Prepared: 06/13/18 Analyzed: 06/15/18

Benzene	31.9	1.0	ug/l	33.3		95.7	70-130			
Toluene	33.8	1.0	"	33.3		101	70-130			
Ethylbenzene	37.0	1.0	"	33.3		111	70-130			
m,p-Xylene	68.5	2.0	"	66.7		103	70-130			
o-Xylene	33.6	1.0	"	33.3		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	14.3		"	13.2		108	23-173			
Surrogate: Toluene-d8	13.5		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		94.0	21-167			

Matrix Spike (1806192-MS1)

Source: 1806151-20

Prepared: 06/13/18 Analyzed: 06/16/18

Benzene	32.6	1.0	ug/l	33.3	ND	97.9	70-130			
Toluene	36.6	1.0	"	33.3	ND	110	70-130			
Ethylbenzene	35.9	1.0	"	33.3	ND	108	70-130			
m,p-Xylene	75.9	2.0	"	66.7	ND	114	70-130			
o-Xylene	34.9	1.0	"	33.3	ND	105	70-130			
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.2		113	23-173			
Surrogate: Toluene-d8	13.6		"	13.3		102	20-170			
Surrogate: 4-Bromofluorobenzene	13.4		"	13.3		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

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

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

Batch 1806192 - EPA 5030 Water MS

Matrix Spike Dup (1806192-MSD1)				Source: 1806151-20		Prepared: 06/13/18		Analyzed: 06/16/18		
Benzene	28.1	1.0	ug/l	33.3	ND	84.2	70-130	15.1	30	
Toluene	29.4	1.0	"	33.3	ND	88.1	70-130	21.8	30	
Ethylbenzene	33.0	1.0	"	33.3	ND	98.9	70-130	8.54	30	
m,p-Xylene	71.7	2.0	"	66.7	ND	108	70-130	5.72	30	
o-Xylene	31.0	1.0	"	33.3	ND	93.0	70-130	11.9	30	
Surrogate: 1,2-Dichloroethane-d4	15.5		"	13.2		118	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		98.8	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.9	21-167			

Batch 1806219 - EPA 5030 Water MS

Blank (1806219-BLK1)				Prepared: 06/14/18		Analyzed: 06/16/18				
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	14.0		"	13.2		106	23-173			
Surrogate: Toluene-d8	13.5		"	13.3		101	20-170			
Surrogate: 4-Bromofluorobenzene	13.5		"	13.3		101	21-167			
LCS (1806219-BS1)				Prepared: 06/14/18		Analyzed: 06/16/18				
Benzene	26.8	1.0	ug/l	33.3		80.3	70-130			
Toluene	29.0	1.0	"	33.3		86.9	70-130			
Ethylbenzene	33.4	1.0	"	33.3		100	70-130			
m,p-Xylene	62.4	2.0	"	66.7		93.6	70-130			
o-Xylene	31.6	1.0	"	33.3		94.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.9		"	13.2		105	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	20-170			
Surrogate: 4-Bromofluorobenzene	13.6		"	13.3		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

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

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

Batch 1806219 - EPA 5030 Water MS

Matrix Spike (1806219-MS1)		Source: 1806150-01			Prepared: 06/14/18		Analyzed: 06/16/18			
Benzene	821	1.0	ug/l	33.3	1410	NR	70-130			E
Toluene	337	1.0	"	33.3	362	NR	70-130			E
Ethylbenzene	86.1	1.0	"	33.3	58.1	84.1	70-130			
m,p-Xylene	188	2.0	"	66.7	135	79.2	70-130			
o-Xylene	220	1.0	"	33.3	198	64.7	70-130			E
Surrogate: 1,2-Dichloroethane-d4	15.0		"	13.2		114	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.5	20-170			
Surrogate: 4-Bromofluorobenzene	14.2		"	13.3		106	21-167			

Matrix Spike Dup (1806219-MSD1)		Source: 1806150-01			Prepared: 06/14/18		Analyzed: 06/16/18			
Benzene	694	1.0	ug/l	33.3	1410	NR	70-130	16.7	30	E
Toluene	266	1.0	"	33.3	362	NR	70-130	23.4	30	E
Ethylbenzene	72.5	1.0	"	33.3	58.1	43.1	70-130	17.2	30	QM-07
m,p-Xylene	156	2.0	"	66.7	135	31.5	70-130	18.5	30	QM-07
o-Xylene	175	1.0	"	33.3	198	NR	70-130	22.7	30	QM-07
Surrogate: 1,2-Dichloroethane-d4	16.2		"	13.2		123	23-173			
Surrogate: Toluene-d8	13.3		"	13.3		99.7	20-170			
Surrogate: 4-Bromofluorobenzene	14.1		"	13.3		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.12
Project Manager: Jennifer Galles

Reported:
06/19/18 14:52

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS/LCSD recovery.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Summit Scientific

741 Corporate Circle – Suite I ♦ Golden, Colorado 80401

303.277.9310 - laboratory ♦ 303.277.9531 - fax

June 07, 2018

Jennifer Galles
Talon/LPE
1811 East Mulberry
Fort Collins, CO 80525
RE: Nelson C-1

Enclosed are the results of analyses for samples received by Summit Scientific on 05/31/18 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 be 'BS' with a long, sweeping horizontal line extending to the right.

Ben Shrewsbury
Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-29@25-30'	1805385-01	Soil	05/31/18 10:50	05/31/18 15:30
MW-29@30-35'	1805385-02	Soil	05/31/18 10:59	05/31/18 15:30
MW-29@35-40'	1805385-03	Soil	05/31/18 11:20	05/31/18 15:30
MW-29@42-45'	1805385-04	Soil	05/31/18 11:30	05/31/18 15:30

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.

Summit Scientific

Page 1 of 1

Project Manager:	Jennifer Galles
E-Mail:	jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name:	Nelson C-1
Project Number:	701530.020.11

www.s2scientific.com

Sample Receipt Checklist

S2 Work Order: 1805385

Client: TALON / WATINA

Client Project ID: Nelson C-1

Shipped Via: Pickup
(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Airbill #: _____

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

Temp (°C) 16.0

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 samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽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 type="checkbox"/>	<input checked="" type="checkbox"/>	
Record the pH in Comments.				
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Additional Comments (if any):				

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

Custodian Printed Name or Initials UP

Signature or Initials of Custodian [Signature]

Date/Time 5/31/18 1620



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

MW-29@25-30'
1805385-01 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806019	06/01/18	06/03/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		101 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.3 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806056	06/05/18	06/07/18	EPA 8015M	

Date Sampled: **05/31/18 10:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		79.6 %	30-150		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

MW-29@30-35'
1805385-02 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 10:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806019	06/01/18	06/03/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 10:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		113 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.4 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 10:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806056	06/05/18	06/07/18	EPA 8015M	

Date Sampled: **05/31/18 10:59**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		76.4 %	30-150		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

MW-29@35-40'
1805385-03 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806019	06/01/18	06/03/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.2 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806056	06/05/18	06/07/18	EPA 8015M	

Date Sampled: **05/31/18 11:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		78.7 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

MW-29@42-45'
1805385-04 (Soil)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **05/31/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	0.0020	mg/kg	1	1806019	06/01/18	06/03/18	EPA 8260B	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.010	"	"	"	"	"	"	
Gasoline Range Hydrocarbons	ND	0.50	"	"	"	"	"	"	

Date Sampled: **05/31/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		116 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Extractable Petroleum Hydrocarbons by 8015

Date Sampled: **05/31/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
C10-C28 (DRO)	ND	50	mg/kg	1	1806056	06/05/18	06/07/18	EPA 8015M	

Date Sampled: **05/31/18 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: o-Terphenyl		76.3 %	30-150		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1806019 - EPA 5030 Soil MS

Blank (1806019-BLK1)

Prepared: 06/01/18 Analyzed: 06/03/18

Benzene	ND	0.0020	mg/kg
Toluene	ND	0.0050	"
Ethylbenzene	ND	0.0050	"
Xylenes (total)	ND	0.010	"
Gasoline Range Hydrocarbons	ND	0.50	"

Surrogate: 1,2-Dichloroethane-d4	0.0429	"	0.0396	108	23-173
Surrogate: Toluene-d8	0.0402	"	0.0400	100	20-170
Surrogate: 4-Bromofluorobenzene	0.0395	"	0.0400	98.8	21-167

LCS (1806019-BS1)

Prepared: 06/01/18 Analyzed: 06/03/18

Benzene	0.103	0.0020	mg/kg	0.100	103	70-130
Toluene	0.105	0.0050	"	0.100	105	70-130
Ethylbenzene	0.102	0.0050	"	0.100	102	70-130
m,p-Xylene	0.194	0.010	"	0.200	96.9	70-130
o-Xylene	0.0996	0.0050	"	0.100	99.6	70-130

Surrogate: 1,2-Dichloroethane-d4	0.0412	"	0.0396	104	23-173
Surrogate: Toluene-d8	0.0405	"	0.0400	101	20-170
Surrogate: 4-Bromofluorobenzene	0.0381	"	0.0400	95.2	21-167

Matrix Spike (1806019-MS1)

Source: 1805382-01

Prepared: 06/01/18 Analyzed: 06/07/18

Benzene	0.0975	0.0020	mg/kg	0.100	ND	97.5	70-130
Toluene	0.100	0.0050	"	0.100	ND	100	70-130
Ethylbenzene	0.125	0.0050	"	0.100	ND	125	70-130
m,p-Xylene	0.279	0.010	"	0.200	ND	139	70-130
o-Xylene	0.108	0.0050	"	0.100	ND	108	70-130

Surrogate: 1,2-Dichloroethane-d4	0.0430	"	0.0396	108	23-173
Surrogate: Toluene-d8	0.0398	"	0.0400	99.4	20-170
Surrogate: 4-Bromofluorobenzene	0.0409	"	0.0400	102	21-167

QM-07

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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

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

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

Batch 1806019 - EPA 5030 Soil MS

Matrix Spike Dup (1806019-MSD1)		Source: 1805382-01			Prepared: 06/01/18 Analyzed: 06/07/18					
Benzene	0.101	0.0020	mg/kg	0.100	ND	101	70-130	3.92	30	
Toluene	0.105	0.0050	"	0.100	ND	105	70-130	4.47	30	
Ethylbenzene	0.130	0.0050	"	0.100	ND	130	70-130	4.34	30	
m,p-Xylene	0.283	0.010	"	0.200	ND	141	70-130	1.43	30	QM-07
o-Xylene	0.113	0.0050	"	0.100	ND	113	70-130	4.66	30	
Surrogate: 1,2-Dichloroethane-d4	0.0429		"	0.0396		108	23-173			
Surrogate: Toluene-d8	0.0400		"	0.0400		100	20-170			
Surrogate: 4-Bromofluorobenzene	0.0407		"	0.0400		102	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

Extractable Petroleum Hydrocarbons by 8015 - Quality Control
Summit Scientific

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

Batch 1806056 - EPA 3550A

Blank (1806056-BLK1)

Prepared: 06/05/18 Analyzed: 06/06/18

C10-C28 (DRO) ND 50 mg/kg

LCS (1806056-BS1)

Prepared: 06/05/18 Analyzed: 06/06/18

C10-C28 (DRO) 394 50 mg/kg 500 78.9 70-130

Matrix Spike (1806056-MS1)

Source: 1805336-01

Prepared: 06/05/18 Analyzed: 06/06/18

C10-C28 (DRO) 422 50 mg/kg 500 42.9 75.9 70-130

Matrix Spike Dup (1806056-MSD1)

Source: 1805336-01

Prepared: 06/05/18 Analyzed: 06/06/18

C10-C28 (DRO) 406 50 mg/kg 500 42.9 72.6 70-130 3.94 20

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.11
Project Manager: Jennifer Galles

Reported:
06/07/18 19:00

Notes and Definitions

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

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

October 15, 2018

Jennifer Galles

Talon/LPE

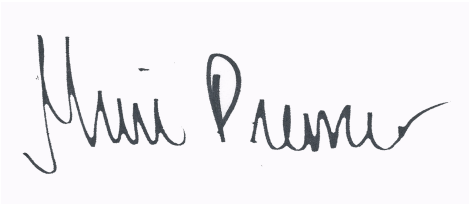
1811 East Mulberry

Fort Collins, CO 80525

RE: Nelson C-1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/12/18 16:13. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature is written in a cursive style and appears to read "Muri Premier".

Muri Premier For Ben Shrewsbury

Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1

Project Number: 701530.020.13

Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	1809155-01	Water	09/11/18 13:16	09/12/18 16:13
MW-4	1809155-02	Water	09/11/18 12:58	09/12/18 16:13
MW-8	1809155-03	Water	09/11/18 13:19	09/12/18 16:13
MW-9	1809155-04	Water	09/11/18 12:54	09/12/18 16:13
MW-10	1809155-05	Water	09/11/18 12:19	09/12/18 16:13
MW-11	1809155-06	Water	09/11/18 12:10	09/12/18 16:13
MW-12	1809155-07	Water	09/11/18 12:03	09/12/18 16:13
MW-13	1809155-08	Water	09/11/18 11:54	09/12/18 16:13
MW-14	1809155-09	Water	09/11/18 11:57	09/12/18 16:13
MW-16	1809155-10	Water	09/11/18 13:23	09/12/18 16:13
MW-18	1809155-11	Water	09/11/18 12:15	09/12/18 16:13
MW-19	1809155-12	Water	09/11/18 12:06	09/12/18 16:13
MW-21	1809155-13	Water	09/11/18 13:29	09/12/18 16:13
MW-22	1809155-14	Water	09/11/18 13:33	09/12/18 16:13
MW-24	1809155-15	Water	09/11/18 13:39	09/12/18 16:13
MW-25	1809155-16	Water	09/11/18 12:50	09/12/18 16:13
MW-26	1809155-17	Water	09/11/18 12:43	09/12/18 16:13
MW-28	1809155-18	Water	09/11/18 12:27	09/12/18 16:13
MW-30	1809155-19	Water	09/11/18 13:37	09/12/18 16:13
Dup-A	1809155-20	Water	09/11/18 12:13	09/12/18 16:13
Dup-B	1809155-21	Water	09/11/18 12:00	09/12/18 16:13
Dup-C	1809155-22	Water	09/11/18 13:27	09/12/18 16:13

Summit Scientific

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

Summit Scientific

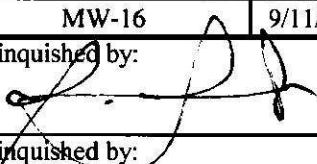
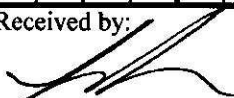
1809155.1

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

Page 1 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.13

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												
MW-2	9/11/2018	13:16	3	x				x					x											
MW-4	9/11/2018	12:58	3	x				x					x											
MW-8	9/11/2018	13:19	3	x				x					x											
MW-9	9/11/2018	12:54	3	x				x					x											
MW-10	9/11/2018	12:19	3	x				x					x											
MW-11	9/11/2018	12:10	3	x				x					x											
MW-12	9/11/2018	12:03	3	x				x					x											
MW-13	9/11/2018	11:54	3	x				x					x											
MW-14	9/11/2018	11:57	3	x				x					x											
MW-16	9/11/2018	13:23	3	x				x					x											
Relinquished by: 				Date/Time: 9.12.18 16:13				Received by: 				Date/Time: 9.12.18 16:13				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>								
Relinquished by:				Date/Time:				Received by:				Date/Time:				Sample Integrity: Temperature Upon Receipt: 11.3 Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:												

Summit Scientific

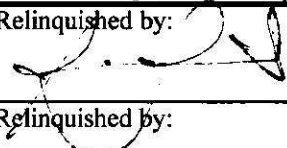
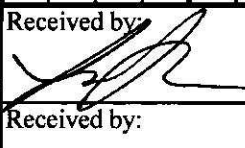
1809155.2

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

Page 2 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.13

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																
MW-18	9/11/2018	12:15	3	x				x					x															
MW-19	9/11/2018	12:06	3	x				x					x															
MW-21	9/11/2018	13:29	3	x				x					x															
MW-22	9/11/2018	13:33	3	x				x					x															
MW-24	9/11/2018	13:39	3	x				x					x															
MW-25	9/11/2018	12:50	3	x				x					x															
MW-26	9/11/2018	12:43	3	x				x					x															
MW-28	9/11/2018	12:27	3	x				x					x															
MW-30	9/11/2018	13:37	3	x				x					x															
Dup-A	9/11/2018	12:13	3	x				x					x															
Relinquished by:  Date/Time: <u>9.12.18 16:13</u>				Received by:  Date/Time: <u>9.12.18 1615</u>				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>																				
Relinquished by: _____ Date/Time: _____				Received by: _____ Date/Time: _____				Sample Integrity: Temperature Upon Receipt: <u>11.3</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____																								

Summit Scientific

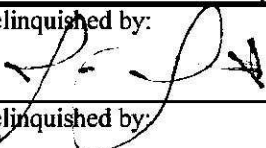
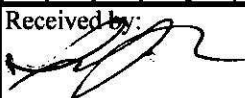
1809155.3

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

Page 3 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.13

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															
Dup-B	9/11/2018	12:00	3	x				x					x														
Dup-C	9/11/2018	13:27	3	x				x					x														
Relinquished by:  Date/Time: <u>9.12.18 16:13</u>				Received by:  Date/Time: <u>9.12.18 16:13</u>				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>																			
Relinquished by: _____ Date/Time: _____				Received by: _____ Date/Time: _____				Sample Integrity: Temperature Upon Receipt: <u>11.3</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____																							

1809155

Sample Receipt Checklist

S2 Work Order _____

Client: Talon/LPE - Whiting Client Project ID: Nelson C-1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other P.U. Airbill #: _____Matrix (check all that apply): Air Soil/Solid / Water Other: _____
(Describe)

Temp (°C)	11.3
-----------	------

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 samples with holding times due within 48 hours sample 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	/			HCl
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.				

W
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

9.12.18 1713
Date/Time



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-2
1809155-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:16**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	7300	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	4500	100	"	"	"	"	"	"	
Ethylbenzene	650	100	"	"	"	"	"	"	
Xylenes (total)	5600	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:16**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		91.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-4
1809155-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	8300	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	8000	100	"	"	"	"	"	"	
Ethylbenzene	940	100	"	"	"	"	"	"	
Xylenes (total)	5500	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		87.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-8
1809155-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	12000	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	12000	100	"	"	"	"	"	"	
Ethylbenzene	760	100	"	"	"	"	"	"	
Xylenes (total)	5800	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-9
1809155-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.7 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-10
1809155-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-11
1809155-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.1 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-12
1809155-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-13
1809155-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 11:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 11:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-14
1809155-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 11:57**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	1400	100		ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	36	1.0		"	1	"	"	"	"	
Ethylbenzene	180	1.0		"	"	"	"	"	"	
Xylenes (total)	240	2.0		"	"	"	"	"	"	

Date Sampled: **09/11/18 11:57**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		91.7 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		92.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.1 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-16
1809155-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:23**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	8800	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	9100	100	"	"	"	"	"	"	
Ethylbenzene	850	100	"	"	"	"	"	"	
Xylenes (total)	5200	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:23**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		91.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-18
1809155-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	73	1.0		ug/l	1	1809148	09/14/18	09/19/18	EPA 8260B	
Toluene	4.5	1.0		"	"	"	"	"	"	
Ethylbenzene	2.0	1.0		"	"	"	"	"	"	
Xylenes (total)	11	2.0		"	"	"	"	"	"	

Date Sampled: **09/11/18 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		89.5 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		92.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.3 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-19
1809155-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:06**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:06**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-21
1809155-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:29**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	8100	100		ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	14000	100		"	"	"	"	"	"	
Ethylbenzene	1600	100		"	"	"	"	"	"	
Xylenes (total)	7700	200		"	"	"	"	"	"	

Date Sampled: **09/11/18 13:29**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		149 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		95.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-22
1809155-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:33**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	3000	100		ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	8400	100		"	"	"	"	"	"	
Ethylbenzene	940	100		"	"	"	"	"	"	
Xylenes (total)	5900	200		"	"	"	"	"	"	

Date Sampled: **09/11/18 13:33**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		88.9 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		94.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-24
1809155-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	5300	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	9900	100	"	"	"	"	"	"	
Ethylbenzene	730	100	"	"	"	"	"	"	
Xylenes (total)	4900	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.9 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-25
1809155-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	3100	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	6600	100	"	"	"	"	"	"	
Ethylbenzene	540	100	"	"	"	"	"	"	
Xylenes (total)	5300	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-26
1809155-17 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:43**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:43**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		95.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		90.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-28
1809155-18 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

MW-30
1809155-19 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		93.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

Dup-A
1809155-20 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

Dup-B
1809155-21 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	530	10	ug/l	10	1809140	09/14/18	09/19/18	EPA 8260B	
Toluene	28	1.0	"	1	"	"	"	"	
Ethylbenzene	150	1.0	"	"	"	"	"	"	
Xylenes (total)	190	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

Dup-C
1809155-22 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:27**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	9500	100		ug/l	100	1809140	09/14/18	09/16/18	EPA 8260B	
Toluene	11000	100		"	"	"	"	"	"	
Ethylbenzene	730	100		"	"	"	"	"	"	
Xylenes (total)	5100	200		"	"	"	"	"	"	

Date Sampled: **09/11/18 13:27**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		96.4 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1809140 - EPA 5030 Water MS

Blank (1809140-BLK1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.2		96.8	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		96.1	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.4	21-167			

LCS (1809140-BS1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	31.5	1.0	ug/l	33.3		94.6	70-130			
Toluene	35.3	1.0	"	33.3		106	70-130			
Ethylbenzene	36.0	1.0	"	33.3		108	70-130			
m,p-Xylene	72.2	2.0	"	66.7		108	70-130			
o-Xylene	36.2	1.0	"	33.3		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.2		98.9	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	20-170			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.6	21-167			

Matrix Spike (1809140-MS1)

Source: 1809148-01

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	31.5	1.0	ug/l	33.3	ND	94.4	70-130			
Toluene	34.6	1.0	"	33.3	ND	104	70-130			
Ethylbenzene	37.7	1.0	"	33.3	ND	113	70-130			
m,p-Xylene	75.7	2.0	"	66.7	ND	114	70-130			
o-Xylene	37.3	1.0	"	33.3	ND	112	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.2		103	23-173			
Surrogate: Toluene-d8	12.9		"	13.3		96.7	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.2	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

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

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

Batch 1809140 - EPA 5030 Water MS

Matrix Spike Dup (1809140-MSD1)

Source: 1809148-01

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	30.0	1.0	ug/l	33.3	ND	89.9	70-130	4.98	30	
Toluene	33.0	1.0	"	33.3	ND	98.9	70-130	4.68	30	
Ethylbenzene	35.6	1.0	"	33.3	ND	107	70-130	5.56	30	
m,p-Xylene	72.8	2.0	"	66.7	ND	109	70-130	3.82	30	
o-Xylene	35.9	1.0	"	33.3	ND	108	70-130	3.80	30	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.2		102	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		95.8	20-170			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		95.6	21-167			

Batch 1809148 - EPA 5030 Water MS

Blank (1809148-BLK1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.2		99.8	23-173			
Surrogate: Toluene-d8	12.3		"	13.3		92.3	20-170			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.0	21-167			

LCS (1809148-BS1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	28.8	1.0	ug/l	33.3		86.3	70-130			
Toluene	29.0	1.0	"	33.3		87.0	70-130			
Ethylbenzene	35.2	1.0	"	33.3		106	70-130			
m,p-Xylene	69.4	2.0	"	66.7		104	70-130			
o-Xylene	30.6	1.0	"	33.3		92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.2		99.3	23-173			
Surrogate: Toluene-d8	12.4		"	13.3		93.4	20-170			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.7	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

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

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

Batch 1809148 - EPA 5030 Water MS

Matrix Spike (1809148-MS1)		Source: 1809155-01			Prepared: 09/14/18 Analyzed: 09/16/18					
Benzene	1220	1.0	ug/l	33.3	7250	NR	70-130			QM-07
Toluene	1150	1.0	"	33.3	4460	NR	70-130			QM-07
Ethylbenzene	337	1.0	"	33.3	646	NR	70-130			QM-07
m,p-Xylene	1550	2.0	"	66.7	4080	NR	70-130			QM-07
o-Xylene	845	1.0	"	33.3	1530	NR	70-130			QM-07
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	16.1		"	13.2		122	23-173			
Surrogate: Toluene-d8	12.2		"	13.3		91.6	20-170			
Surrogate: 4-Bromofluorobenzene	16.0		"	13.3		120	21-167			
<hr/>										
Matrix Spike Dup (1809148-MSD1)		Source: 1809155-01			Prepared: 09/14/18 Analyzed: 09/16/18					
Benzene	1150	1.0	ug/l	33.3	7250	NR	70-130	5.89	30	QM-07
Toluene	1070	1.0	"	33.3	4460	NR	70-130	7.48	30	QM-07
Ethylbenzene	309	1.0	"	33.3	646	NR	70-130	8.71	30	QM-07
m,p-Xylene	1450	2.0	"	66.7	4080	NR	70-130	6.55	30	QM-07
o-Xylene	766	1.0	"	33.3	1530	NR	70-130	9.88	30	QM-07
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	5.18		"	13.2		39.2	23-173			
Surrogate: Toluene-d8	12.4		"	13.3		92.6	20-170			
Surrogate: 4-Bromofluorobenzene	15.2		"	13.3		114	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
10/15/18 15:31

Notes and Definitions

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

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

September 19, 2018

Jennifer Galles

Talon/LPE

1811 East Mulberry

Fort Collins, CO 80525

RE: Nelson C-1

Enclosed are the results of analyses for samples received by Summit Scientific on 09/12/18 16:13. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature is written in a cursive style and reads "Muri Premier".

Muri Premier For Ben Shrewsbury

Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1

Project Number: 701530.020.13

Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2	1809155-01	Water	09/11/18 13:16	09/12/18 16:13
MW-4	1809155-02	Water	09/11/18 12:58	09/12/18 16:13
MW-8	1809155-03	Water	09/11/18 13:19	09/12/18 16:13
MW-9	1809155-04	Water	09/11/18 12:54	09/12/18 16:13
MW-10	1809155-05	Water	09/11/18 12:19	09/12/18 16:13
MW-11	1809155-06	Water	09/11/18 12:10	09/12/18 16:13
MW-12	1809155-07	Water	09/11/18 12:03	09/12/18 16:13
MW-13	1809155-08	Water	09/11/18 11:54	09/12/18 16:13
MW-14	1809155-09	Water	09/11/18 11:57	09/12/18 16:13
MW-16	1809155-10	Water	09/11/18 13:23	09/12/18 16:13
MW-18	1809155-11	Water	09/11/18 12:15	09/12/18 16:13
MW-19	1809155-12	Water	09/11/18 12:06	09/12/18 16:13
MW-21	1809155-13	Water	09/11/18 13:29	09/12/18 16:13
MW-22	1809155-14	Water	09/11/18 13:33	09/12/18 16:13
MW-24	1809155-15	Water	09/11/18 13:39	09/12/18 16:13
MW-25	1809155-16	Water	09/11/18 12:50	09/12/18 16:13
MW-26	1809155-17	Water	09/11/18 12:43	09/12/18 16:13
MW-28	1809155-18	Water	09/11/18 12:27	09/12/18 16:13
MW-30	1809155-19	Water	09/11/18 13:37	09/12/18 16:13
Dup-A	1809155-20	Water	09/11/18 12:13	09/12/18 16:13
Dup-B	1809155-21	Water	09/11/18 12:00	09/12/18 16:13
Dup-C	1809155-22	Water	09/11/18 13:27	09/12/18 16:13

Summit Scientific

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

Summit Scientific

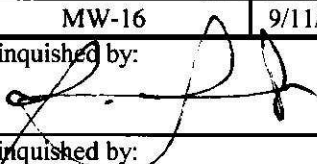
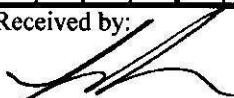
1809155.1

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

Page 1 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.13

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												
MW-2	9/11/2018	13:16	3	x				x					x											
MW-4	9/11/2018	12:58	3	x				x					x											
MW-8	9/11/2018	13:19	3	x				x					x											
MW-9	9/11/2018	12:54	3	x				x					x											
MW-10	9/11/2018	12:19	3	x				x					x											
MW-11	9/11/2018	12:10	3	x				x					x											
MW-12	9/11/2018	12:03	3	x				x					x											
MW-13	9/11/2018	11:54	3	x				x					x											
MW-14	9/11/2018	11:57	3	x				x					x											
MW-16	9/11/2018	13:23	3	x				x					x											
Relinquished by: 				Date/Time: 9.12.18 16:13		Received by: 				Date/Time: 9.12.18 16:13		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 by:				Date/Time:		24 Hours <input type="checkbox"/>				Standard <input checked="" type="checkbox"/>								
Relinquished by:				Date/Time:		Received in Lab by:				Date/Time:		Sample Integrity:												
Relinquished by:				Date/Time:		Received in Lab by:				Date/Time:		Temperature Upon Receipt: 11.3				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								

Summit Scientific

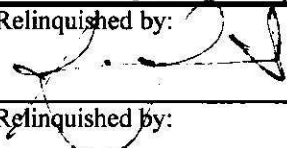
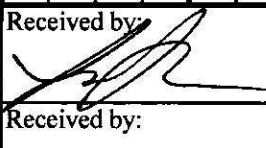
1809155.2

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

Page 2 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.13

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																
MW-18	9/11/2018	12:15	3	x				x					x															
MW-19	9/11/2018	12:06	3	x				x					x															
MW-21	9/11/2018	13:29	3	x				x					x															
MW-22	9/11/2018	13:33	3	x				x					x															
MW-24	9/11/2018	13:39	3	x				x					x															
MW-25	9/11/2018	12:50	3	x				x					x															
MW-26	9/11/2018	12:43	3	x				x					x															
MW-28	9/11/2018	12:27	3	x				x					x															
MW-30	9/11/2018	13:37	3	x				x					x															
Dup-A	9/11/2018	12:13	3	x				x					x															
Relinquished by:  Date/Time: <u>9.12.18 16:13</u>				Received by:  Date/Time: <u>9.12.18 1615</u>				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>																				
Relinquished by: _____ Date/Time: _____				Received by: _____ Date/Time: _____				Sample Integrity: Temperature Upon Receipt: <u>11.3</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																				
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____																								

Summit Scientific

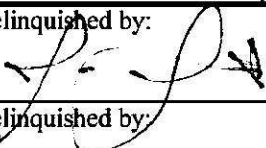
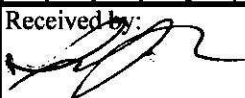
1809155.3

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

Page 3 of 3

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

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.13

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															
Dup-B	9/11/2018	12:00	3	x				x					x														
Dup-C	9/11/2018	13:27	3	x				x					x														
Relinquished by:  Date/Time: <u>9.12.18 16:13</u>				Received by:  Date/Time: <u>9.12.18 16:13</u>				Turn Around Time (Check) Same Day <input type="checkbox"/> 72 Hours <input type="checkbox"/> 24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/> 48 Hours <input type="checkbox"/>																			
Relinquished by: _____ Date/Time: _____				Received by: _____ Date/Time: _____				Sample Integrity: Temperature Upon Receipt: <u>11.3</u> Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			
Relinquished by: _____ Date/Time: _____				Received in Lab by: _____ Date/Time: _____																							

1809155

Sample Receipt Checklist

S2 Work Order _____

Client: Talon/LPE - Whiting Client Project ID: Nelson C-1Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other P.U. Airbill #: _____Matrix (check all that apply): Air Soil/Solid / Water Other: _____
(Describe)

Temp (°C)	11.3
-----------	------

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 samples with holding times due within 48 hours sample 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	/			HCl
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.				

W
 Custodian Printed Name or Initials

[Signature]
 Signature of Custodian

9.12.18 1713
 Date/Time



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-2
1809155-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:16**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	7300	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	4500	100	"	"	"	"	"	"	
Ethylbenzene	650	100	"	"	"	"	"	"	
Xylenes (total)	5600	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:16**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		91.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-4
1809155-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	8300	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	8000	100	"	"	"	"	"	"	
Ethylbenzene	940	100	"	"	"	"	"	"	
Xylenes (total)	5500	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:58**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		87.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-8
1809155-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	12000	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	12000	100	"	"	"	"	"	"	
Ethylbenzene	760	100	"	"	"	"	"	"	
Xylenes (total)	5800	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		96.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-9
1809155-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.7 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-10
1809155-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:19**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		98.6 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-11
1809155-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:10**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.1 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-12
1809155-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:03**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-13
1809155-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 11:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 11:54**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-14
1809155-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 11:57**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	1400	100		ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	36	1.0		"	1	"	"	"	"	
Ethylbenzene	180	1.0		"	"	"	"	"	"	
Xylenes (total)	240	2.0		"	"	"	"	"	"	

Date Sampled: **09/11/18 11:57**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		91.7 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		92.3 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.1 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-16
1809155-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:23**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	88	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	9100	100	"	100	"	"	"	"	
Ethylbenzene	850	100	"	"	"	"	"	"	
Xylenes (total)	5200	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:23**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		91.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-18
1809155-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	73	1.0		ug/l	1	1809148	09/14/18	09/19/18	EPA 8260B	
Toluene	4.5	1.0		"	"	"	"	"	"	
Ethylbenzene	2.0	1.0		"	"	"	"	"	"	
Xylenes (total)	11	2.0		"	"	"	"	"	"	

Date Sampled: **09/11/18 12:15**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		89.5 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		92.9 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.3 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-19
1809155-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:06**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:06**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		101 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.7 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-21
1809155-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:29**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	8100	100		ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	14000	100		"	"	"	"	"	"	
Ethylbenzene	1600	100		"	"	"	"	"	"	
Xylenes (total)	7700	200		"	"	"	"	"	"	

Date Sampled: **09/11/18 13:29**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		149 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		95.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-22
1809155-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	3000	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	8400	100	"	"	"	"	"	"	
Ethylbenzene	940	100	"	"	"	"	"	"	
Xylenes (total)	5900	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:33**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		88.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.5 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-24
1809155-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	5300	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	9900	100	"	"	"	"	"	"	
Ethylbenzene	730	100	"	"	"	"	"	"	
Xylenes (total)	4900	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:39**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.9 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-25
1809155-16 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	3100	100	ug/l	100	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	6600	100	"	"	"	"	"	"	
Ethylbenzene	540	100	"	"	"	"	"	"	
Xylenes (total)	5300	200	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		89.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-26
1809155-17 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:43**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:43**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		95.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		90.8 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-28
1809155-18 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:27**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		100 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.6 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

MW-30
1809155-19 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/16/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 13:37**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		93.9 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		93.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

Dup-A
1809155-20 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1809148	09/14/18	09/18/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:13**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		92.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

Dup-B
1809155-21 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	530	10	ug/l	10	1809140	09/14/18	09/19/18	EPA 8260B	
Toluene	28	1.0	"	1	"	"	"	"	
Ethylbenzene	150	1.0	"	"	"	"	"	"	
Xylenes (total)	190	2.0	"	"	"	"	"	"	

Date Sampled: **09/11/18 12:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		99.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.3 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

Dup-C
1809155-22 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **09/11/18 13:27**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	9500	100		ug/l	100	1809140	09/14/18	09/16/18	EPA 8260B	
Toluene	11000	100		"	"	"	"	"	"	
Ethylbenzene	730	100		"	"	"	"	"	"	
Xylenes (total)	5100	200		"	"	"	"	"	"	

Date Sampled: **09/11/18 13:27**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		96.4 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		98.7 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1809140 - EPA 5030 Water MS

Blank (1809140-BLK1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.8		"	13.2		96.8	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		96.1	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.4	21-167			

LCS (1809140-BS1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	31.5	1.0	ug/l	33.3		94.6	70-130			
Toluene	35.3	1.0	"	33.3		106	70-130			
Ethylbenzene	36.0	1.0	"	33.3		108	70-130			
m,p-Xylene	72.2	2.0	"	66.7		108	70-130			
o-Xylene	36.2	1.0	"	33.3		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.2		98.9	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		98.9	20-170			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.6	21-167			

Matrix Spike (1809140-MS1)

Source: 1809148-01

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	31.5	1.0	ug/l	33.3	ND	94.4	70-130			
Toluene	34.6	1.0	"	33.3	ND	104	70-130			
Ethylbenzene	37.7	1.0	"	33.3	ND	113	70-130			
m,p-Xylene	75.7	2.0	"	66.7	ND	114	70-130			
o-Xylene	37.3	1.0	"	33.3	ND	112	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.6		"	13.2		103	23-173			
Surrogate: Toluene-d8	12.9		"	13.3		96.7	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.2	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

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

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

Batch 1809140 - EPA 5030 Water MS

Matrix Spike Dup (1809140-MSD1)

Source: 1809148-01

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	30.0	1.0	ug/l	33.3	ND	89.9	70-130	4.98	30	
Toluene	33.0	1.0	"	33.3	ND	98.9	70-130	4.68	30	
Ethylbenzene	35.6	1.0	"	33.3	ND	107	70-130	5.56	30	
m,p-Xylene	72.8	2.0	"	66.7	ND	109	70-130	3.82	30	
o-Xylene	35.9	1.0	"	33.3	ND	108	70-130	3.80	30	
Surrogate: 1,2-Dichloroethane-d4	13.4		"	13.2		102	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		95.8	20-170			
Surrogate: 4-Bromofluorobenzene	12.8		"	13.3		95.6	21-167			

Batch 1809148 - EPA 5030 Water MS

Blank (1809148-BLK1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	13.2		"	13.2		99.8	23-173			
Surrogate: Toluene-d8	12.3		"	13.3		92.3	20-170			
Surrogate: 4-Bromofluorobenzene	12.0		"	13.3		90.0	21-167			

LCS (1809148-BS1)

Prepared: 09/14/18 Analyzed: 09/15/18

Benzene	28.8	1.0	ug/l	33.3		86.3	70-130			
Toluene	29.0	1.0	"	33.3		87.0	70-130			
Ethylbenzene	35.2	1.0	"	33.3		106	70-130			
m,p-Xylene	69.4	2.0	"	66.7		104	70-130			
o-Xylene	30.6	1.0	"	33.3		92.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.1		"	13.2		99.3	23-173			
Surrogate: Toluene-d8	12.4		"	13.3		93.4	20-170			
Surrogate: 4-Bromofluorobenzene	12.5		"	13.3		93.7	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

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

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

Batch 1809148 - EPA 5030 Water MS

Matrix Spike (1809148-MS1)		Source: 1809155-01			Prepared: 09/14/18 Analyzed: 09/16/18					
Benzene	1220	1.0	ug/l	33.3	7250	NR	70-130			QM-07
Toluene	1150	1.0	"	33.3	4460	NR	70-130			QM-07
Ethylbenzene	337	1.0	"	33.3	646	NR	70-130			QM-07
m,p-Xylene	1550	2.0	"	66.7	4080	NR	70-130			QM-07
o-Xylene	845	1.0	"	33.3	1530	NR	70-130			QM-07
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	16.1		"	13.2		122	23-173			
Surrogate: Toluene-d8	12.2		"	13.3		91.6	20-170			
Surrogate: 4-Bromofluorobenzene	16.0		"	13.3		120	21-167			
<hr/>										
Matrix Spike Dup (1809148-MSD1)		Source: 1809155-01			Prepared: 09/14/18 Analyzed: 09/16/18					
Benzene	1150	1.0	ug/l	33.3	7250	NR	70-130	5.89	30	QM-07
Toluene	1070	1.0	"	33.3	4460	NR	70-130	7.48	30	QM-07
Ethylbenzene	309	1.0	"	33.3	646	NR	70-130	8.71	30	QM-07
m,p-Xylene	1450	2.0	"	66.7	4080	NR	70-130	6.55	30	QM-07
o-Xylene	766	1.0	"	33.3	1530	NR	70-130	9.88	30	QM-07
<hr/>										
Surrogate: 1,2-Dichloroethane-d4	5.18		"	13.2		39.2	23-173			
Surrogate: Toluene-d8	12.4		"	13.3		92.6	20-170			
Surrogate: 4-Bromofluorobenzene	15.2		"	13.3		114	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.13
Project Manager: Jennifer Galles

Reported:
09/19/18 16:30

Notes and Definitions

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

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

January 04, 2019

Jennifer Galles

Talon/LPE

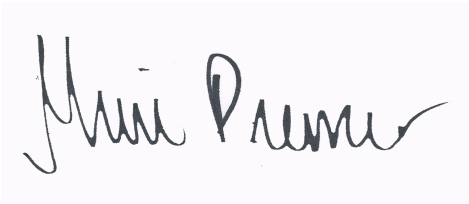
1811 East Mulberry

Fort Collins, CO 80525

RE: Nelson C-1

Enclosed are the results of analyses for samples received by Summit Scientific on 12/28/18 14:26. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature is written in a cursive style and appears to read "Muri Premier".

Muri Premier For Ben Shrewsbury

Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1

Project Number: 701530.020.14

Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-03	1812346-01	Water	12/28/18 10:40	12/28/18 14:26
MW-04	1812346-02	Water	12/28/18 10:45	12/28/18 14:26
MW-10	1812346-03	Water	12/28/18 10:53	12/28/18 14:26
MW-14	1812346-04	Water	12/28/18 10:34	12/28/18 14:26
MW-15	1812346-05	Water	12/28/18 11:00	12/28/18 14:26
MW-16	1812346-06	Water	12/28/18 11:15	12/28/18 14:26
MW-19	1812346-07	Water	12/28/18 10:42	12/28/18 14:26
MW-21	1812346-08	Water	12/28/18 10:52	12/28/18 14:26
MW-22	1812346-09	Water	12/28/18 10:42	12/28/18 14:26
MW-24	1812346-10	Water	12/28/18 10:57	12/28/18 14:26
MW-25	1812346-11	Water	12/28/18 11:01	12/28/18 14:26
DUP-B	1812346-12	Water	12/28/18 10:40	12/28/18 14:26
DUP-C	1812346-13	Water	12/28/18 11:11	12/28/18 14:26

Summit Scientific

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

Summit Scientific

Page 22 of 2

Project Manager:	Jennifer Galles
E-Mail:	jgalles@talonlpe.com / Jleverton@TalonLPE.com
Project Name:	Nelson C-1
Project Number:	701530.020.14

				Preservative				Matrix				Analyze For:											
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO ₃	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX								Special Instructions			
MW-25	12/28/2018	11:01	3	x				x				x											
DUP-B	12/28/2018	10:40	3	x				x				x											
DUP-C	12/28/2018	11:11	2	x				x				x											
Relinquished by: <u>MORGAN MATTHEW</u>				Date/Time: <u>12/28/2018</u> <u>11:26 p</u>				Received by: <u>[Signature]</u>				Date/Time: <u>12.28.18</u> <u>1426</u>				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 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: <u>17.6</u>							
																Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>							

Summit Scientific

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

Page 1 of 2

Client: Talon/LPE / Bill Whiting
Address: 1811 East Mulberry
City/State/Zip: Fort Collins, CO 80524
Phone: 970-818-5330 Fax:
Sampler Name: Levi Kirk/ Morgan Matthew

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com / Jleverton@TalonLPE.com
Project Name: Nelson C-1
Project Number: 701530.020.14

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																
MW - 03	12/28/2018	10:40	3	x				x					x															
MW - 04	12/28/2018	10:45	3	x				x					x															
MW - 10	12/28/2018	10:53	3	x				x					x															
MW - 14	12/28/2018	10:34	3	x				x					x															
MW-15	12/28/2018	11:00	3	x				x					x															
MW-16	12/28/2018	11:15	3	x				x					x															
MW-19	12/28/2018	10:42	3	x				x					x															
MW-21	12/28/2018	10:52	3	x				x					x															
MW-22	12/28/2018	10:42	3	x				x					x															
MW-24	12/28/2018	10:57	3	x				x					x															
Relinquished by: <i>MORGAN MATTHEW</i>				Date/Time: <i>12/28/2018 14:26p</i>				Received by: <i>[Signature]</i>				Date/Time: <i>12.28.18 1426</i>				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 by:				Date/Time:				24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>												
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				48 Hours <input type="checkbox"/>												
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Sample Integrity:												
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Temperature Upon Receipt: <i>17.6</i>												
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>												

Sample Receipt Checklist

S2 Work Order 1812346

Client: Talon/LPE Client Project ID: Nelson C-1

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

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

Temp (°C)	17.6
-----------	------

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"/>	<input 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 samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽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 checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hcl
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

UP
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

12.28.18 1455
Date/Time



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-03
1812346-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	6400	100		ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	14000	100		"	"	"	"	"	"	
Ethylbenzene	1500	100		"	"	"	"	"	"	
Xylenes (total)	8800	200		"	"	"	"	"	"	

Date Sampled: **12/28/18 10:40**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		102 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		90.5 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-04
1812346-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	8800	100	ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	8600	100	"	"	"	"	"	"	
Ethylbenzene	940	100	"	"	"	"	"	"	
Xylenes (total)	5700	200	"	"	"	"	"	"	

Date Sampled: **12/28/18 10:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		109 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		92.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.9 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-10
1812346-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812381	12/31/18	01/03/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/28/18 10:53**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		78.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		95.4 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.7 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-14
1812346-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	860	100		ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	61	1.0		"	1	"	"	"	"	
Ethylbenzene	120	1.0		"	"	"	"	"	"	
Xylenes (total)	170	2.0		"	"	"	"	"	"	

Date Sampled: **12/28/18 10:34**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		107 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		92.5 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.1 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-15
1812346-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	2200	100	ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	3200	100	"	"	"	"	"	"	
Ethylbenzene	460	100	"	"	"	"	"	"	
Xylenes (total)	4300	200	"	"	"	"	"	"	

Date Sampled: **12/28/18 11:00**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.8 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-16
1812346-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 11:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	8200	100	ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	8400	100	"	"	"	"	"	"	
Ethylbenzene	700	100	"	"	"	"	"	"	
Xylenes (total)	5300	200	"	"	"	"	"	"	

Date Sampled: **12/28/18 11:15**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		122 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.1 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-19
1812346-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812381	12/31/18	01/03/19	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/28/18 10:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		90.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.5 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-21
1812346-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	5000	100		ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	9000	100		"	"	"	"	"	"	
Ethylbenzene	1800	100		"	"	"	"	"	"	
Xylenes (total)	8500	200		"	"	"	"	"	"	

Date Sampled: **12/28/18 10:52**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		156 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		89.6 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		99.1 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-22
1812346-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	1500	100	ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	2100	100	"	"	"	"	"	"	
Ethylbenzene	400	100	"	"	"	"	"	"	
Xylenes (total)	2200	200	"	"	"	"	"	"	

Date Sampled: **12/28/18 10:42**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		94.2 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		91.9 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.9 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-24
1812346-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:57**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	5600	100		ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	11000	100		"	"	"	"	"	"	
Ethylbenzene	990	100		"	"	"	"	"	"	
Xylenes (total)	6400	200		"	"	"	"	"	"	

Date Sampled: **12/28/18 10:57**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		115 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		98.0 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.6 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

MW-25
1812346-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 11:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	3300	100	ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	3900	100	"	"	"	"	"	"	
Ethylbenzene	490	100	"	"	"	"	"	"	
Xylenes (total)	5600	200	"	"	"	"	"	"	

Date Sampled: **12/28/18 11:01**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		91.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.1 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

DUP-B
1812346-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	830	100	ug/l	100	1812381	12/31/18	01/03/19	EPA 8260B	
Toluene	64	1.0	"	1	"	"	"	"	
Ethylbenzene	140	1.0	"	"	"	"	"	"	
Xylenes (total)	210	2.0	"	"	"	"	"	"	

Date Sampled: **12/28/18 10:40**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		78.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		97.0 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		109 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

DUP-C
1812346-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/28/18 11:11**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	9500	100	ug/l	100	1812381	12/31/18	01/01/19	EPA 8260B	
Toluene	9300	100	"	"	"	"	"	"	
Ethylbenzene	740	100	"	"	"	"	"	"	
Xylenes (total)	5200	200	"	"	"	"	"	"	

Date Sampled: **12/28/18 11:11**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		112 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.9 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1812381 - EPA 5030 Water MS

Blank (1812381-BLK1)

Prepared: 12/31/18 Analyzed: 01/01/19

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	15.8		"	13.2		120	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		95.6	20-170			
Surrogate: 4-Bromofluorobenzene	12.6		"	13.3		94.2	21-167			

LCS (1812381-BS1)

Prepared: 12/31/18 Analyzed: 01/01/19

Benzene	29.6	1.0	ug/l	33.3		88.8	70-130			
Toluene	30.4	1.0	"	33.3		91.3	70-130			
Ethylbenzene	35.0	1.0	"	33.3		105	70-130			
m,p-Xylene	69.7	2.0	"	66.7		104	70-130			
o-Xylene	35.1	1.0	"	33.3		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	14.9		"	13.2		113	23-173			
Surrogate: Toluene-d8	12.7		"	13.3		95.3	20-170			
Surrogate: 4-Bromofluorobenzene	10.9		"	13.3		82.1	21-167			

Matrix Spike (1812381-MS1)

Source: 1812349-21

Prepared: 12/31/18 Analyzed: 01/01/19

Benzene	31.6	1.0	ug/l	33.3	ND	94.7	70-130			
Toluene	33.1	1.0	"	33.3	ND	99.4	70-130			
Ethylbenzene	35.7	1.0	"	33.3	ND	107	70-130			
m,p-Xylene	70.8	2.0	"	66.7	ND	106	70-130			
o-Xylene	34.0	1.0	"	33.3	ND	102	70-130			
Surrogate: 1,2-Dichloroethane-d4	13.7		"	13.2		104	23-173			
Surrogate: Toluene-d8	12.8		"	13.3		96.4	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.8	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

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

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

Batch 1812381 - EPA 5030 Water MS

Matrix Spike Dup (1812381-MSD1)		Source: 1812349-21			Prepared: 12/31/18 Analyzed: 01/01/19					
Benzene	31.5	1.0	ug/l	33.3	ND	94.6	70-130	0.127	30	
Toluene	31.8	1.0	"	33.3	ND	95.6	70-130	3.91	30	
Ethylbenzene	37.4	1.0	"	33.3	ND	112	70-130	4.46	30	
m,p-Xylene	70.8	2.0	"	66.7	ND	106	70-130	0.0565	30	
o-Xylene	36.0	1.0	"	33.3	ND	108	70-130	5.54	30	
Surrogate: 1,2-Dichloroethane-d4	15.2		"	13.2		116	23-173			
Surrogate: Toluene-d8	11.8		"	13.3		88.2	20-170			
Surrogate: 4-Bromofluorobenzene	15.0		"	13.3		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1

Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/04/19 13:12

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

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

January 02, 2019

Jennifer Galles

Talon/LPE

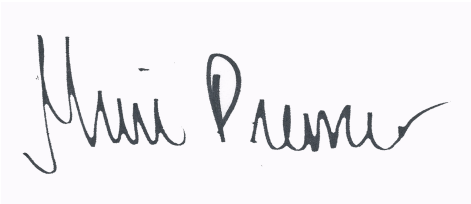
1811 East Mulberry

Fort Collins, CO 80525

RE: Nelson C-1

Enclosed are the results of analyses for samples received by Summit Scientific on 12/27/18 15:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink on a light blue background. The signature is cursive and reads "Muri Premer".

Muri Premer For Ben Shrewsbury

Laboratory Manager



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1

Project Number: 701530.020.14

Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	1812329-01	Water	12/27/18 13:18	12/27/18 15:45
MW-2	1812329-02	Water	12/27/18 12:27	12/27/18 15:45
MW-05	1812329-03	Water	12/27/18 13:31	12/27/18 15:45
MW-06	1812329-04	Water	12/27/18 13:37	12/27/18 15:45
MW-08	1812329-05	Water	12/27/18 12:51	12/27/18 15:45
MW-9	1812329-06	Water	12/27/18 12:45	12/27/18 15:45
MW-11	1812329-07	Water	12/27/18 12:07	12/27/18 15:45
MW-12	1812329-08	Water	12/27/18 12:32	12/27/18 15:45
MW-13	1812329-09	Water	12/27/18 12:57	12/27/18 15:45
DUP-A	1812329-10	Water	12/27/18 12:43	12/27/18 15:45
MW-18	1812329-11	Water	12/27/18 12:20	12/27/18 15:45
MW-26	1812329-12	Water	12/27/18 11:50	12/27/18 15:45
MW-28	1812329-13	Water	12/27/18 12:04	12/27/18 15:45
MW-30	1812329-14	Water	12/27/18 11:45	12/27/18 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.

1812329.2

Summit Scientific

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

Page 2 of 2

Client: Talon/LPE / Bill Whiting
Address: 1811 East Mulberry
City/State/Zip: Fort Collins, CO 80524
Phone: 970-818-5330 Fax:
Sampler Name: Levi Kirk/ Morgan Matthew

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com / Jlevert@TalonLPE.com
Project Name: Nelson C-1
Project Number: 701530.020.14

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												
MW - 18	12/27/2018	12:20	3	x				x					x											
MW - 26	12/27/2018	11:50	3	x				x					x											
MW - 28	12/27/2018	12:04	3	x				x					x											
MW - 30	12/27/2018	11:45	3	x				x					x											
Relinquished by: <i>Levi Kirk</i>				Date/Time: 12/27/18 15:45				Received by: <i>[Signature]</i>				Date/Time: 12-27-18 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 by:				Date/Time:				24 Hours <input type="checkbox"/> Standard <input checked="" type="checkbox"/>								
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				48 Hours <input type="checkbox"/>								Sample Integrity:
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Temperature Upon Receipt: 6.1								
Relinquished by:				Date/Time:				Received in Lab by:				Date/Time:				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								

1812329.1

Summit Scientific

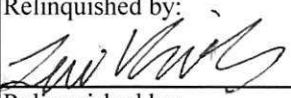
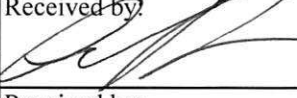
741 Corporate Circle Suite I ♦ Golden, Colorado 80401
303-277-9310 ♦ 303-374-5933 Fax

Page 1 of 2

Client: Talon/LPE- Bill to Whiting
Address: 1811 East Mulberry
City/State/Zip: Fort Collins, CO 80524
Phone: 970-818-5330 Fax:
Sampler Name: Jason Leverton/Levi Kirk/Morgan Matthew

Project Manager: Jennifer Galles
E-Mail: jgalles@talonlpe.com and jleverton@talonlpe.com
Project Name: Nelson C-1
Project Number: 701530.020.14

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													
MW-1	12/27/2018	13:18:00	3	x				x					x												
MW-2	12/27/2018	12:27	3	x				x					x												
MW-05	12/27/2018	13:31	3	x				x					x												
MW-06	12/27/2018	13:37	3	x				x					x												
MW-08	12/27/2018	12:51	3	x				x					x												
MW-9	12/27/2018	12:45	3	x				x					x												
MW-11	12/27/2018	12:07	3	x				x					x												
MW-12	12/27/2018	12:32	3	x				x					x												
MW-13	12/27/2018	12:57	3	x				x					x												
DUP-A	12/27/2018	12:43	3	x				x					x												

Relinquished by: 	Date/Time: 12/27/18 15:45	Received by: 	Date/Time: 12-27-18 1545	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 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: 8.1
				Intact: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Sample Receipt Checklist

S2 Work Order 1812329

Client: Talon/LPE - Whiting Client Project ID: Nelson C-1

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

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

Temp (°C)	<u>8.1</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"/>	<input 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 samples with holding times due within 48 hours sample due within 48 hours present?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
Is a chain-of-custody (COC) form present and filled out completely ⁽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 checked="" type="checkbox"/>	<input 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"/>	<input type="checkbox"/>	<input type="checkbox"/>	HCl
If samples are acid preserved for metals, is the pH ≤ 2 ⁽¹⁾ ? Record the pH in Comments.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
If dissolved metals are requested, were samples field filtered?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

Additional Comments (if any):

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

CP
Custodian Printed Name or Initials

[Signature]
Signature of Custodian

12.27.18 1625
Date/Time



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-1
1812329-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 13:18**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Benzene	12000	100	ug/l	100	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	11000	100	"	"	"	"	"	"	
Ethylbenzene	900	100	"	"	"	"	"	"	
Xylenes (total)	6300	200	"	"	"	"	"	"	

Date Sampled: **12/27/18 13:18**

Analyte	Result	Reporting		Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit	Units						
Surrogate: 1,2-Dichloroethane-d4		94.0 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		98.6 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-2
1812329-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	11000	100		ug/l	100	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	6500	100		"	"	"	"	"	"	
Ethylbenzene	780	100		"	"	"	"	"	"	
Xylenes (total)	6600	200		"	"	"	"	"	"	

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

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		90.8 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-05
1812329-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 13:31**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	8400	100		ug/l	100	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	9800	100		"	"	"	"	"	"	
Ethylbenzene	960	100		"	"	"	"	"	"	
Xylenes (total)	5800	200		"	"	"	"	"	"	

Date Sampled: **12/27/18 13:31**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		93.9 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		94.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-06
1812329-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 13:37**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	7900	100		ug/l	100	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	9100	100		"	"	"	"	"	"	
Ethylbenzene	570	100		"	"	"	"	"	"	
Xylenes (total)	4200	200		"	"	"	"	"	"	

Date Sampled: **12/27/18 13:37**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		85.7 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		95.4 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		95.7 %		21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-08
1812329-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:51**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Benzene	12000	100		ug/l	100	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	8400	100		"	"	"	"	"	"	
Ethylbenzene	710	100		"	"	"	"	"	"	
Xylenes (total)	5400	200		"	"	"	"	"	"	

Date Sampled: **12/27/18 12:51**

Analyte	Result	Reporting		Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit								
Surrogate: 1,2-Dichloroethane-d4		92.6 %		23-173		"	"	"	"	
Surrogate: Toluene-d8		100 %		20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.7 %		21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-9
1812329-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		83.1 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		103 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.6 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-11
1812329-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:07**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		95.5 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		102 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.4 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-12
1812329-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:32**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		104 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.1 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-13
1812329-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:57**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		97.3 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.5 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

DUP-A
1812329-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:43**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:43**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		96.4 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		105 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-18
1812329-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	35	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	2.1	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	3.4	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:20**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		92.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		99.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		96.5 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-26
1812329-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 11:50**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		92.7 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		98.5 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		97.7 %	21-167		"	"	"	"	

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-28
1812329-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 12:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 12:04**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		115 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		90.2 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.3 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

MW-30
1812329-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **12/27/18 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Benzene	ND	1.0	ug/l	1	1812369	12/28/18	12/29/18	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **12/27/18 11:45**

Analyte	Result	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		Limit							
Surrogate: 1,2-Dichloroethane-d4		102 %	23-173		"	"	"	"	
Surrogate: Toluene-d8		94.6 %	20-170		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	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 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Summit Scientific

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

Batch 1812369 - EPA 5030 Water MS

Blank (1812369-BLK1)

Prepared: 12/28/18 Analyzed: 12/29/18

Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	12.5		"	13.2		94.5	23-173			
Surrogate: Toluene-d8	13.8		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	12.1		"	13.3		90.8	21-167			

LCS (1812369-BS1)

Prepared: 12/28/18 Analyzed: 12/29/18

Benzene	31.3	1.0	ug/l	33.3		93.9	70-130			
Toluene	30.7	1.0	"	33.3		92.2	70-130			
Ethylbenzene	35.9	1.0	"	33.3		108	70-130			
m,p-Xylene	66.8	2.0	"	66.7		100	70-130			
o-Xylene	34.3	1.0	"	33.3		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	12.2		"	13.2		92.3	23-173			
Surrogate: Toluene-d8	13.7		"	13.3		103	20-170			
Surrogate: 4-Bromofluorobenzene	13.0		"	13.3		97.5	21-167			

Matrix Spike (1812369-MS1)

Source: 1812329-08

Prepared: 12/28/18 Analyzed: 12/29/18

Benzene	26.0	1.0	ug/l	33.3	ND	78.0	70-130			
Toluene	39.3	1.0	"	33.3	ND	118	70-130			
Ethylbenzene	39.4	1.0	"	33.3	ND	118	70-130			
m,p-Xylene	76.1	2.0	"	66.7	ND	114	70-130			
o-Xylene	39.2	1.0	"	33.3	ND	118	70-130			
Surrogate: 1,2-Dichloroethane-d4	17.6		"	13.2		133	23-173			
Surrogate: Toluene-d8	16.2		"	13.3		121	20-170			
Surrogate: 4-Bromofluorobenzene	12.9		"	13.3		96.8	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

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

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

Batch 1812369 - EPA 5030 Water MS

Matrix Spike Dup (1812369-MSD1)		Source: 1812329-08			Prepared: 12/28/18 Analyzed: 12/29/18					
Benzene	26.6	1.0	ug/l	33.3	ND	79.9	70-130	2.47	30	
Toluene	33.6	1.0	"	33.3	ND	101	70-130	15.6	30	
Ethylbenzene	39.6	1.0	"	33.3	ND	119	70-130	0.481	30	
m,p-Xylene	72.3	2.0	"	66.7	ND	108	70-130	5.15	30	
o-Xylene	38.6	1.0	"	33.3	ND	116	70-130	1.41	30	
Surrogate: 1,2-Dichloroethane-d4	12.3		"	13.2		92.9	23-173			
Surrogate: Toluene-d8	13.2		"	13.3		99.2	20-170			
Surrogate: 4-Bromofluorobenzene	13.3		"	13.3		99.7	21-167			

Summit Scientific

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



Talon/LPE
1811 East Mulberry
Fort Collins CO, 80525

Project: Nelson C-1
Project Number: 701530.020.14
Project Manager: Jennifer Galles

Reported:
01/02/19 11:09

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