Nelson A6/A7 Subsurface Site Assessment

November 20, 2015

Prepared for:

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1 Introduction

Talon/LPE (Talon) was contracted by Whiting Petroleum Corporation (Whiting) to conduct site investigation assessment activities associated with a release identified at the Nelson A6/A7 tank battery site (Site) in Weld County, Colorado. The Site is located approximately 2 miles east, 3 miles north and 0.35 miles southeast of the intersection of County Road 110 and County Road 119 (Figure 6 in **Attachment 1**). The Site is located at the center of the northwest quarter of the southeast quarter of Section 20, Township 10 North, Range 58 West, 6th Principal Meridian at 40°49'38"N, 103°53'43"W and is identified by the State of Colorado Oil and Gas Conservation Commission (COGCC) as Spill/Release Point Facility ID 438672.

The following document is a chronological assessment of site investigation activities from multiple consultants associated with a flowline release. Activities included collection of excavation floor and sidewall confirmation samples, shredding stockpiled soil, on-site soil borings and preparation of this summary report.

2 Objective

The primary objective of this investigation is to determine the nature and extent of soil and/or groundwater impacts resulting from a recent flowline release. The release date is determined to be unknown; however, it was first discovered and reported in July 2014. Additionally, this report is to document the remedial activities which have occurred to remove and treat hydrocarbon impacted soils.

3 Site Characteristics

3.1 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.

3.2 Geologic Summary

Surficial geology surrounding the area consists of Tertiary age fluvial deposits of the lower Ogallala Formation. More specifically, these deposits are Miocene in age and are composed of gray to brown and semi-consolidated, ashy sands and silt beds with volcanic ash beds. Deposited material hardened into sandstone and siltstone which are grouped into three formations: White River, Arikaree, and Ogallala.

3.3 Groundwater

Groundwater was not encountered during excavation or soil boring activities which reached a maximum depth of 35 feet below ground surface (ft bgs). Based on the area topography and regional surface water drainages, the expected groundwater flow is south-southeast. According to the Colorado Division of Water Resources Website, there are no water wells within 1,000 foot radius of the Site.

4 Previous Investigation Performed by Other Consultants

4.1 Olsson Associates

On July 31, 2014, Form 19 associated with Spill/Release ID #438404 was submitted to COGCC to report a flowline leak immediately adjacent to the Nelson A7 well pad. It was discovered utilizing a forward looking infrared (FLIR) camera. No free liquids were observed. It was reported on the Form 19 that impacted soils greater than COGCC Table 910-1 were excavated and backfilled with native clean soil and the line was repaired. It was estimated that between approximately 0.5 to 3 barrels (bbls) were lost.

While the flowline was being replaced, historical staining was observed inside the tank battery on the flowline at Nelson A7. On August 19, 2014, initial excavation and soil sampling activities were conducted to determine the extent of the release. Olsson Associates (Olsson) collected five soil samples from the impacted area to the northeast area of the tank battery (Figure 2 in **Attachment 1**). The collected samples were analyzed for Total Petroleum Hydrocarbons (TPH) via Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) method SW8015 and for benzene, ethylbenzene, toluene, and total xylenes (BTEX) via method SW8260 at Origins Laboratory, Inc. (Origins) of Denver, Colorado. All analytical results were below COGCC Table 910-1 concentration levels (Table 1 in **Attachment 2**).

It was estimated that 7 bbls of crude oil had been released. Impacted soils near the tank battery were excavated and transported offsite for disposal at a commercial landfill (Waste Management's North Weld County Landfill in Ault, Colorado). It was reported that haul trucks were used to transport and dispose of the soils. The excavation was filled with clean backfill and gravel and re-graded to match pre-existing conditions. Based upon analytical results and the volume of soil excavated, it was determined that this release meets the reporting requirements for the COGCC. Therefore, on August 24, 2014, another Form 19 was submitted as Spill/Release # 438672.

4.2 Whiting

On March 18, 2015, Whiting personnel collected six soil samples for additional confirmation purposes as Olsson collected soil confirmation samples at shallow intervals only. Whiting utilized a hydro-vac to expose the new flowline and excavated the areas that were not previously sampled by Olsson. Figure 3 in **Attachment 1** shows the locations and analytical results of the soil samples collected by Whiting. Additionally, one soil sample was collected from the stockpile. The collected soil samples were analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS Environmental (ALS) of Fort Collins, Colorado. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**.

Soil sample CS10 at 7 ft bgs, collected from the northeastern side of the tank battery location (Figure 3 in **Attachment 1**), exhibited a TPH concentration of 500 mg/kg, which is at the threshold of COGCC Table 910-1 concentration levels. Soil sample CS12 at 9 ft bgs, collected from the eastern edge of the tank battery location, exhibited benzene (12 mg/kg), toluene (170 mg/kg), total xylenes (270 mg/kg) and TPH (7,500 mg/kg) concentrations above COGCC Table 910-1 concentration levels.

On March 23, 2015, Talon performed soil shredding of 83 cubic yards of hydrocarbon impacted soil at the Site which were stockpiled from the excavation activities performed by Whiting. Additionally, a 5% hydrogen peroxide solution was utilized to chemically oxidize the hydrocarbons. Following the remedial activities, Talon collected a confirmation soil sample on March 25, 2015 to confirm all hydrocarbons had been remediated from the shredded stockpile. The collected sample was analyzed for TPH via GRO and DRO method SW8015 at ALS. All analytical results from the confirmation soil sample were below COGCC Table 910-1 concentration levels.

5 Current Field Investigation

At the request of Whiting, Talon performed this field investigation to further determine if impacts remained at the Site. Between April 14 and 16, 2015, Talon conducted soil boring activities. Seven borings, as shown on Figure 4 in **Attachment 1**, were drilled to a depth of 25 to 35 ft bgs to define vertical and horizontal extent of impacts.

During field drilling activities, soil samples were field screened for volatile organic compounds (VOCs) using a photoionization detector (PID) to determine any areas of impacts. Boring logs detailing observed lithology and PID values are included in **Attachment 3**. Based on the PID values, soil samples were collected from the borings from depths ranging between 0-5 ft bgs and 30-35 ft bgs. A total of 21 soil samples were analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**.

5.1 Discussion of Results

Table 1 in **Attachment 2** summarizes the laboratory analytical results. Soil sample SB-1 at 0-5 ft bgs exhibited benzene concentrations (0.25 mg/kg) and TPH (3,490 mg/kg) above the COGCC Table 910-1 concentration levels. All other analytical results were below COGCC Table 910-1 concentration levels.

Groundwater was not encountered during Site activities; therefore, groundwater samples were not collected.

6 Remedial Activities

Whiting performed soil excavation activities near soil samples CS10 and CS12 to remove the hydrocarbon impacted soils. On June 4, 2015, Talon personnel collected confirmation soil samples. Soil samples FS-1 at 8 ft bgs and F-2 at 6 ft bgs were collected from the floor of the excavated areas. The collected samples were analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**. The excavated soils were stockpiled onsite until mechanical soil shredding and chemical oxidation could be completed.

Analytical results of the confirmation soil samples indicated that soil sample FS-1 at 8 ft bgs had a benzene concentration of 0.42 mg/kg, which is above the COGCC Table 910-1 concentration level. All remaining analytical results were below laboratory reporting limits or COGCC Table 910-1 concentration levels.

On June 25, 2015, Talon oversaw M&E Trucking, LLC (M&E) perform excavation to remove impacted soil near FS-1. The excavation reached the limit of its extent at 13 ft bgs. Soil sample FS-3 at 13 ft bgs was collected from the floor of the excavation and was analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**. The excavated soils were stockpiled onsite until mechanical soil shredding and chemical oxidation could be completed.

Analytical results for soil sample FS-3 for TPH were below laboratory reporting limits. The remaining analytical results were below COGCC Table 910-1 concentration levels. These results indicate that the excavation activities provided complete removal of impacted soils in the vicinity of FS-1.

On June 27, 2015, Talon personnel performed soil shredding of approximately 131 cubic yards of impacted soil. On July 1, 2015, Talon collected two confirmation soil samples from the shredded stockpile to ensure that the hydrocarbon impacted soils had been remediated to the maximum practical extent. The collected samples were analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**. All analytical results from the shredded stockpile confirmation samples were below COGCC Table 910-1 concentration levels, and the soil was used to backfill the excavation area.

During the excavation activities performed on June 25, 2015, Talon collected a soil sample from the bottom of the excavation. However, COGCC requested Talon return to the site to collect sidewall samples as well. On September 3, 2015, Talon personnel collected additional soil samples. Talon personnel used a hand auger to collect soil samples at a depth of 8 ft bgs at four locations (SW-1 through SW-4) as shown on Figure 5 in **Attachment 1**. These locations were at the former sidewalls of the excavated area which had now been backfilled with the remediated stockpile soil. The collected samples were analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**. Analytical results from SW-2 @ 8 ft bgs indicated benzene (30 mg/kg), toluene (580 mg/kg), total xylenes (750 mg/kg) and TPH (14,200 mg/kg) concentrations above COGCC Table 910-1 concentration levels. All remaining analytical results were below COGCC Table 910-1 concentration levels or laboratory detection limits.

On September 25, 2015, M&E performed excavation to remove the impacts located near SW-2. An area of approximately 20 feet by 20 feet by 12 feet deep was excavated and stockpiled onsite (Figure 5 in **Attachment 1**). On September 29, 2015, Talon personnel collected confirmation soil samples from the north sidewall (SW-3), east sidewall (SW-4), and the bottom of the excavation (BH-01). The collected samples were analyzed for TPH via GRO and DRO method SW8015 and BTEX via method SW8260 at ALS. Sidewall sample SW-3 at 8 ft bgs collected from the north sidewall had analytical results of benzene (0.76 mg/kg) and TPH (3,100 mg/kg) above COGCC Table 910-1 concentration levels. The excavation was extended approximately seven feet north from the original excavation area to remove these impacted soils. On October 6,

2015, Talon personnel collected a sidewall sample (SW-3A) from the new northern extent of the excavation. The collected sample was analyzed for TPH via DRO method SW8015 and BTEX and GRO via method SW8260 at Summit Scientific laboratory in Golden, Colorado. All analytical results from this sample were below laboratory detection limits. A copy of the laboratory reports and chain of custody documentation are included in **Attachment 4**.

On October 13, 2015, Talon personnel performed mechanical soil shredding on approximately 300 cubic yards of soil from this excavation. The treated soils were stockpiled onsite pending laboratory analytical results.

Following the soil shredding, three confirmation soil samples were obtained to confirm the soils were remediated to below COGCC Table 910-1 concentration levels. The soil samples were collected on November 13, 2015 and submitted to Summit Scientific for analysis of TPH via DRO method SW8015 and BTEX and GRO via method SW8260. All analytical results for the soil confirmation samples were below laboratory detection limits. A copy of the laboratory report and chain of custody documentation is included in **Attachment 4**. The treated soils were placed back into the excavation.

7 Conclusions & Recommendations

The objective of this report was to document the nature and extent of the historical impacts from the Nelson A6/A7 tank battery location as well as the remedial activities that have occurred.

Whiting collected six soil samples in areas that were not previously sampled by Olsson. Soil sample CS10 at 7 ft bgs, collected from the northeastern side of the tank battery location, exhibited a TPH concentration of 500 mg/kg, which is at the threshold of COGCC Table 910-1 concentration levels. Soil sample CS12 at 9 ft bgs, collected from the eastern edge of the tank battery location, exhibited benzene (12 mg/kg), toluene (170 mg/kg), total xylenes (270 mg/kg) and TPH (7,500 mg/kg) concentrations above COGCC Table 910-1 concentration levels.

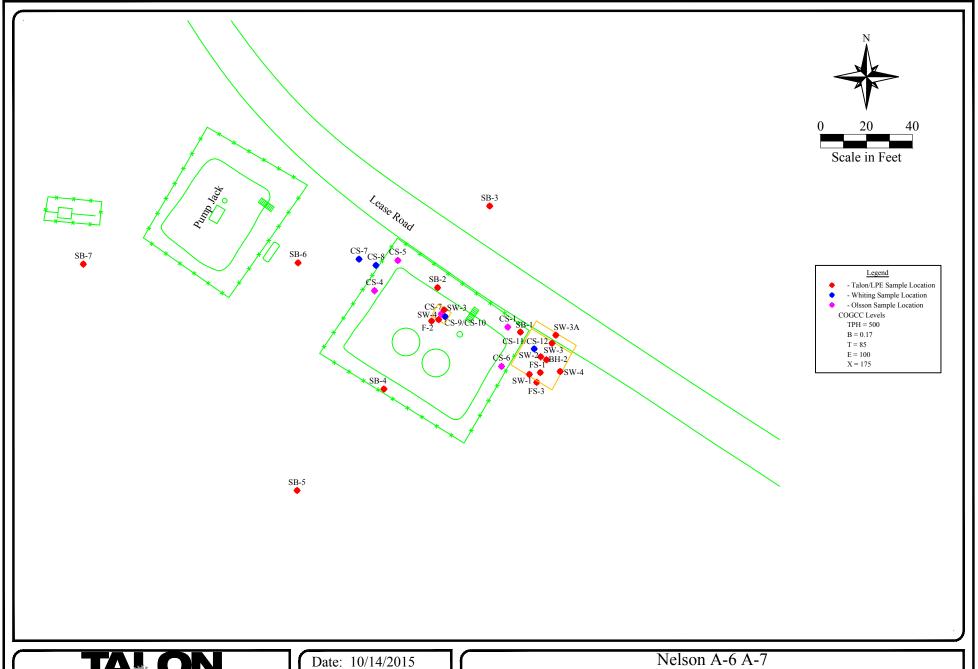
Talon installed seven borings to assess any remaining soil or groundwater impacts from this release. Soil sample SB-1 at 0-5 ft bgs exhibited benzene concentrations (0.25 mg/kg) and TPH (3,490 mg/kg) above the COGCC Table 910-1 concentration levels. This soil boring is located at the eastern edge of the tank battery location.

Remedial activities that have occurred include excavation, soil shredding, and confirmation soil sampling. Following the first excavation, analytical results indicated that all impacted soils had been removed and stockpiled onsite. Talon performed soil shredding on this stockpile and collected confirmation soil samples to verify the shredding remediated the soils to below COGCC standards. All analytical results from the confirmation soil samples were below COGCC standards, indicating the soil has been remediated.

At the request of COGCC, Talon performed additional soil sampling onsite to further delineate any remaining impacts. Talon collected four soil samples from the former excavation sidewalls. Sidewall sample SW-2 @ 8 ft bgs indicated benzene (30 mg/kg), toluene (580 mg/kg), total xylenes (750 mg/kg) and TPH (14,200 mg/kg) concentrations above COGCC Table 910-1 concentration levels. All remaining analytical results were below COGCC Table 910-1

concentration levels or laboratory detection limits. M&E performed excavation to remove additional impacts identified. The northern sidewall sample SW-3 at 8 ft bgs had analytical results of benzene (0.76 mg/kg) and TPH (3,100 mg/kg) above COGCC Table 910-1 concentration levels. Therefore, the excavation area was extended approximately seven feet north to remove these impacted soils. The most current excavation sidewall and floor samples indicate the impacted soils have been removed. All soils were mechanically shredded to remediate any remaining impacts. The soil confirmation samples indicate all remaining impacts were remediated. The excavated soils were placed back to the excavated area.

Attachment 1 Figures

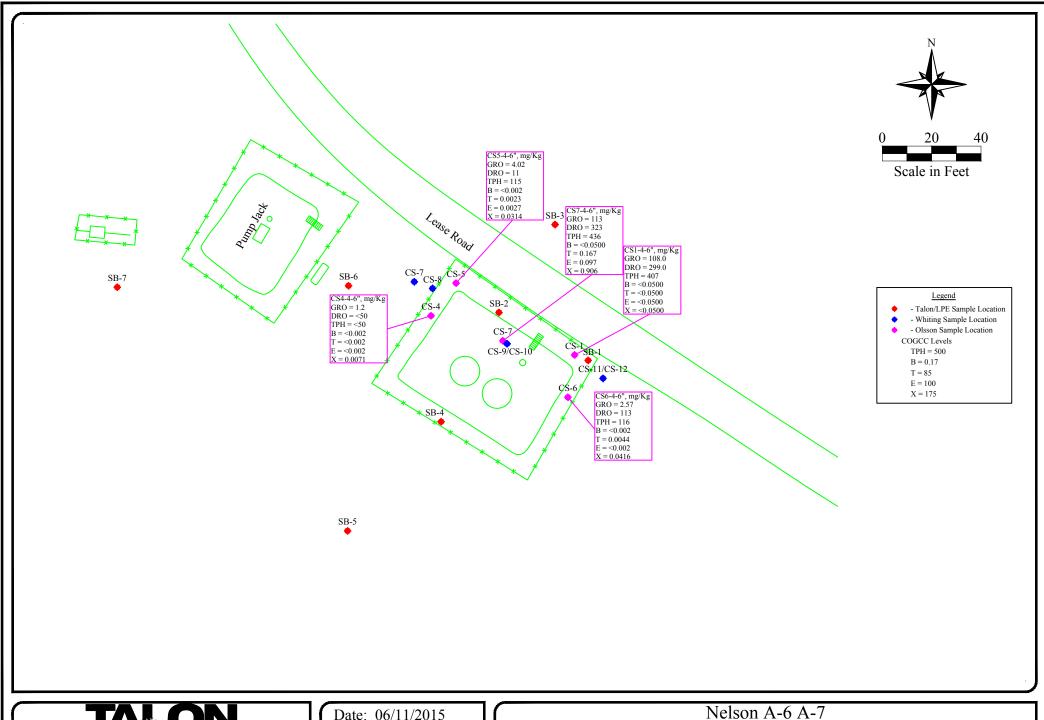




Scale: 1" = 40'

Drawn By: TJS

Nelson A-6 A-7
Whiting Oil & Gas Corporation
Weld County, Colorado
Figure 1 - Site Plan





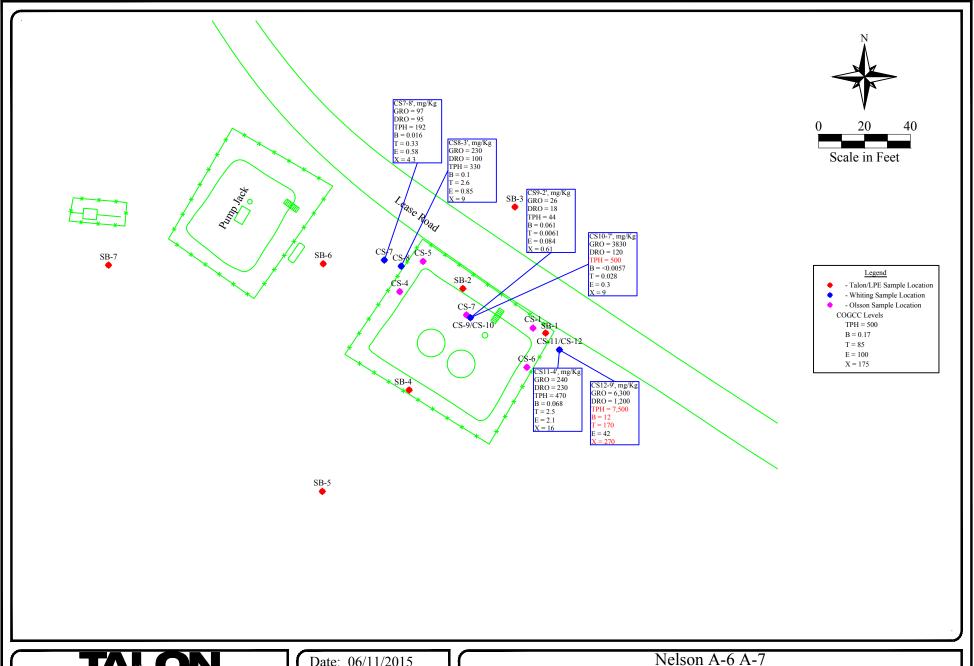
Date: 06/11/2015

Scale: 1'' = 40'

Drawn By: TJS

Whiting Oil & Gas Corporation Weld County, Colorado

Figure 2 - Soil Concentration Map - Olsson Associates (04/14-16/2015)





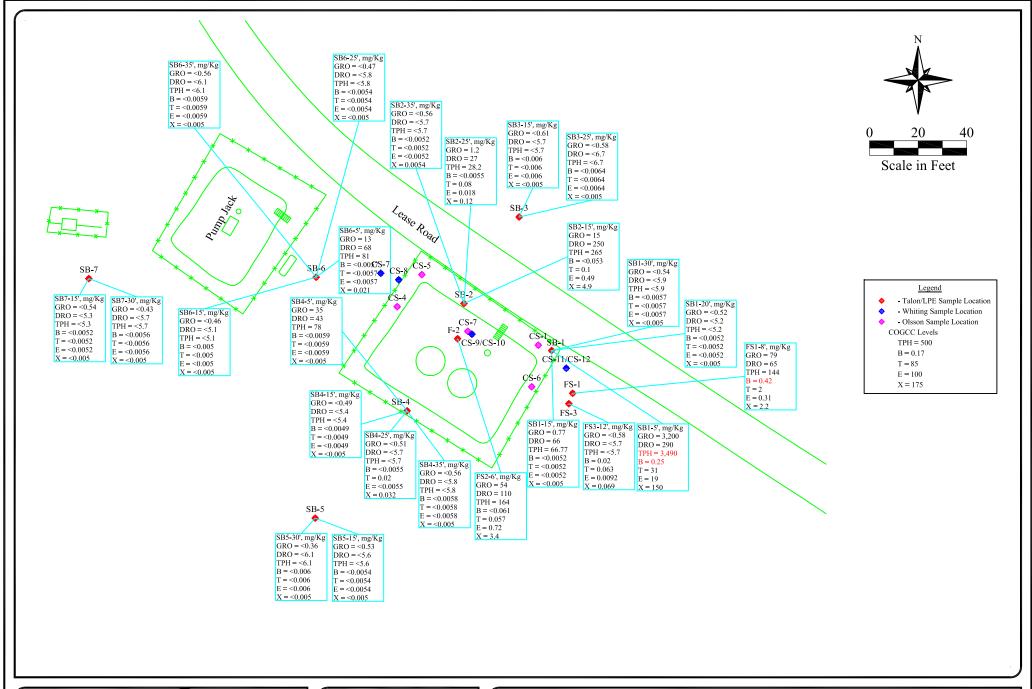
Date: 06/11/2015

Scale: 1" = 40'

Drawn By: TJS

Whiting Oil & Gas Corporation Weld County, Colorado

Figure 3 - Soil Concentration Map - Whiting Petroleum Corp. (04/14-16/2015)





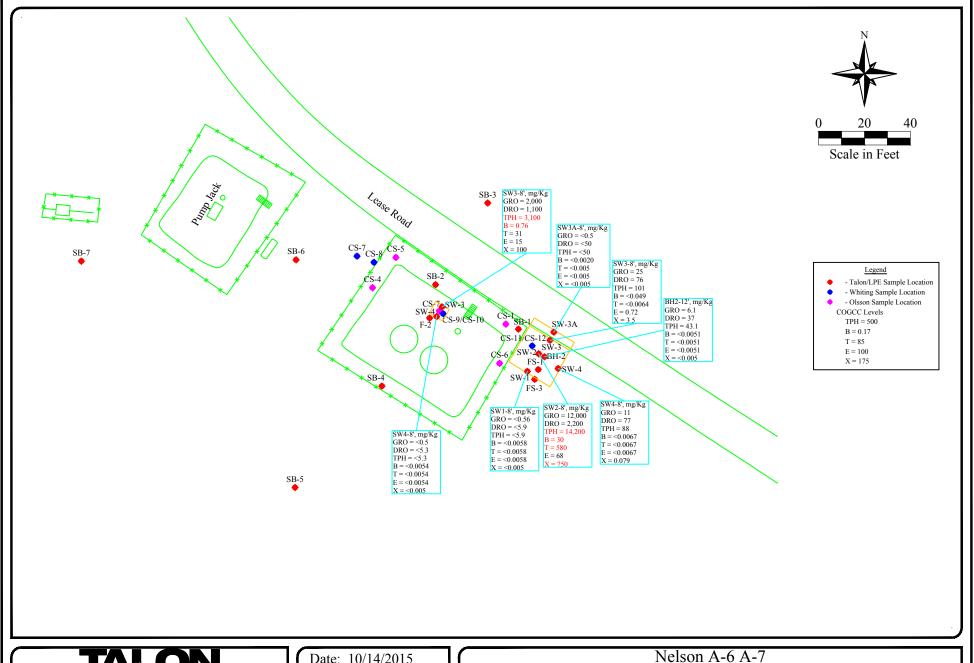
Date: 07/01/2015

Scale: 1'' = 40'

Drawn By: TJS

Nelson A-6 A-7
Whiting Oil & Gas Corporation
Weld County, Colorado

Figure 4 - Soil Concentration Map - Talon/LPE (04/14 & 06-04/2015)





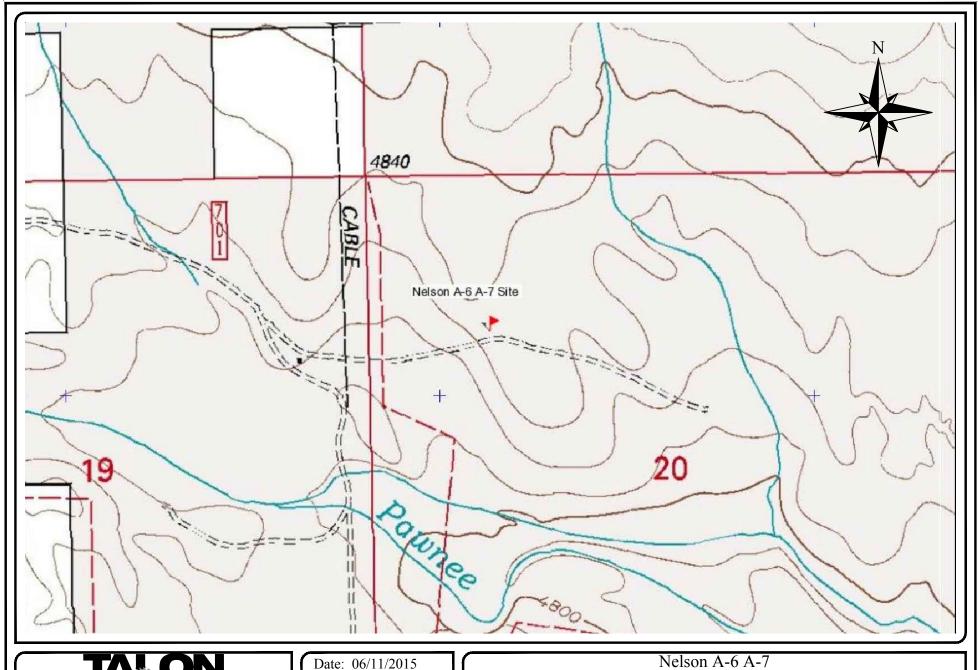
Date: 10/14/2015

Scale: 1'' = 40'

Drawn By: TJS

Whiting Oil & Gas Corporation Weld County, Colorado

Figure 5 - Soil Concentration Map - Talon/LPE (09/03/2015)





Scale: 1" = 10,000'

Drawn By: TJS

Whiting Oil & Gas Corporation Weld County, Colorado Figure 6 - Topographic Map

Attachment 2 Analytical Table



Table 1 - Soil Analytical Data

Whiting Oil and Gas Corporation Nelson A6 A7 Weld County, Colorado

| | 1 | | 1 | | | Cor | centration (mg | /kg) | | |
|--------------------------------|---|--------------------------|----------------------|--------------------|--------------------|--------------------|------------------|----------------|--------------|--------------|
| Sample ID | Comment | Lab ID | Date Sampled | Benzene | Toluene | Ethyl-Benzene | Xylenes | GRO | DRO | ТРН |
| С | OGCC Table 910-1 Concentration Lev | els | | 0.17 | 85 | 100 | 175 | NA | NA | 500 |
| Samples Collected by Olsso | n Associates | | | | | | | | | |
| CS-1 - 4-6" | _ | X408183-01 | 8/19/2014 | <0.0500 | <0.0500 | <0.0500 | <0.0500 | 108.0 | 299.0 | 407 |
| CS-4 - 4-6" | Confirmation Sample northeast of | X408183-02 | 8/19/2014 | <0.002 | <0.002 | <0.002 | 0.0071 | 1.2 | <50 | <50 |
| CS-5 - 4-6" | tank battery area following observed | X408183-03 | 8/19/2014 | <0.002 | 0.0023 | 0.0027 | 0.0314 | 4.02 | 111 | 115 |
| CS-6 - 4-6" | staining | X408183-04 | 8/19/2014 | <0.002 | 0.0044 | <0.002 | 0.0416 | 2.57 | 113 | 116 |
| CS-7 - 4-6" | as Potroloum Corneration | X408183-05 | 8/19/2014 | <0.0500 | 0.167 | 0.097 | 0.906 | 113 | 323 | 436 |
| Samples Collected by Whitir | Confirmation Sample northeast of | 1503463-1 | 3/18/2015 | 0.016 | 0.33 | 0.58 | 4.3 | 97 | 95 | 192 |
| CS8-3' | Confirmation Sample northeast of | 1503463-1 | 3/18/2015 | 0.016 | 2.6 | 0.85 | 9 | 230 | 100 | 330 |
| CS9-2' | Confirmation Sample northeast of | 1503463-3 | 3/18/2015 | 0.061 | 0.0061 | 0.084 | 0.61 | 26 | 18 | 44 |
| C\$10-7' | Confirmation Sample northeast of | 1503463-4 | 3/18/2015 | <0.007 | 0.028 | 0.3 | 9 | 380 | 120 | 500 |
| CS11-4' | Confirmation Sample northeast of | 1503463-5 | 3/18/2015 | 0.068 | 2.5 | 2.1 | 16 | 240 | 230 | 470 |
| CS12-9' | Confirmation Sample northeast of | 1503463-6 | 3/18/2015 | 12 | 170 | 42 | 270 | 6300 | 1200 | 7500 |
| SP-1 | Stockpile | 1503463-7 | 3/18/2015 | 0.064 | 0.42 | 0.1 | 1.4 | 48 | 10 | 58 |
| Samples Collected by Talon | | | | | | | | | | |
| SB-1 - 0-5' | Investigative Soil Boring | 1504425-1 | 04/14/15 | 0.25 | 31 | 19 | 150 | 3200 | 290 | 3490 |
| SB-1 - 10-15' | Investigative Soil Boring | 1504425-2 | 04/14/15 | <0.0052 | <0.0052 | <0.0052 | < 0.005 | 0.77 | 66 | 66.77 |
| SB-1 - 15-20' | Investigative Soil Boring | 1504425-3 | 04/14/15 | <0.0052 | <0.0052 | <0.0052 | <0.005 | <0.52 | <5.2 | <5.2 |
| SB-1 - 25-30' | Investigative Soil Boring | 1504425-4 | 04/14/15 | < 0.0057 | <0.0057 | <0.0057 | <0.005 | <0.54 | <5.9 | <5.9 |
| SB-2 - 10-15' | Investigative Soil Boring | 1504425-5 | 04/15/15 | < 0.053 | 0.1 | 0.49 | 4.9 | 15 | 250 | 265 |
| SB-2 - 20-25' | Investigative Soil Boring | 1504425-6 | 04/15/15 | <0.0055 | 0.08 | 0.018 | 0.12 | 1.2 | 27 | 28.2 |
| SB-2 - 30-35' | Investigative Soil Boring | 1504425-7 | 04/15/15 | <0.0052 | <0.0052 | <0.0052 | 0.0054 | <0.56 | <5.7 | <5.7 |
| SB-3 - 10-15' | Investigative Soil Boring | 1504425-8 | 04/15/15 | <0.006 | <0.006 | <0.006 | <0.005 | <0.61 | <5.7 | <5.7 |
| SB-3 - 20-25' | Investigative Soil Boring | 1504425-9 | 04/15/15 | <0.0064 | <0.0064 | <0.0064 | <0.005 | <0.58 | <6.7 | <6.7 |
| SB-4 - 0-5' | Investigative Soil Boring | 1504425-10 | 04/15/15 | <0.0059 | <0.0059 | <0.0059 | <0.005 | 35 | 43 | 78 |
| SB-4 - 10-15' | Investigative Soil Boring | 1504425-11 | 04/15/15 | <0.0049 | <0.0049 | <0.0049 | <0.005 | <0.49 | <5.4 | <5.4 |
| SB-4 - 20-25' | Investigative Soil Boring | 1504425-12 | 04/15/15 | <0.0055 | 0.02 | <0.0055 | 0.032 | <0.51 | <5.7 | <5.7 |
| SB-4 - 30-35' SB-5 - 10-15' | Investigative Soil Boring Investigative Soil Boring | 1504425-13 1504425-14 | 04/15/15 04/15/15 | <0.0058 <0.0054 | <0.0058 <0.0054 | <0.0058 <0.0054 | <0.005 <0.005 | <0.56 <0.53 | <5.8 <5.6 | <5.8 <5.6 |
| SB-5 - 10-15 | Investigative Soil Boring | 1504425-15 | 04/15/15 | <0.0034 | <0.0034 | <0.0034 | <0.005 | <0.36 | <6.1 | <6.1 |
| SB-6 - 10-15' | Investigative Soil Boring | 1504425-16 | 04/15/15 | <0.006 | <0.006 | <0.0057 | 0.005 | 13 | 68 | 81 |
| SB-6 -10-15' | Investigative Soil Boring | 1504425-17 | 04/16/15 | <0.005 | <0.005 | <0.0057 | <0.005 | <0.46 | <5.1 | <5.1 |
| SB-6 - 20-25' | Investigative Soil Boring | 1504425-18 | 04/16/15 | <0.0054 | <0.0054 | <0.0054 | <0.005 | <0.47 | <5.8 | <5.8 |
| SB-6 - 30-35' | Investigative Soil Boring | 1504425-19 | 04/16/15 | <0.0059 | <0.0059 | <0.0059 | <0.005 | <0.56 | <6.1 | <6.1 |
| SB-7 - 10-15' | Investigative Soil Boring | 1504425-20 | 04/16/15 | <0.0052 | <0.0052 | <0.0052 | <0.005 | <0.54 | <5.3 | <5.3 |
| SB-7 - 25-30' | Investigative Soil Boring | 1504425-21 | 04/16/15 | <0.0056 | <0.0056 | <0.0056 | <0.005 | <0.43 | <5.7 | <5.7 |
| FS-1 - 8' | Excavation floor | 1506113-1 | 06/04/15 | 0.42 | 2 | 0.31 | 2.2 | 79 | 65 | 144 |
| F-2 - 6' | Excavation floor | 1506113-2 | 06/04/15 | <0.061 | 0.057 | 0.72 | 3.4 | 54 | 110 | 164 |



Table 1 - Soil Analytical Data

Whiting Oil and Gas Corporation Nelson A6 A7 Weld County, Colorado

| | | | | | | Cor | centration (mg | /kg) | | |
|-------------|-------------------------------------|-------------|-----------------|----------|----------|---------------|----------------|-------|------|-------|
| Sample ID | Comment | Lab ID | Date Sampled | Benzene | Toluene | Ethyl-Benzene | Xylenes | GRO | DRO | ТРН |
| | COGCC Table 910-1 Concentration Lev | /els | | 0.17 | 85 | 100 | 175 | NA | NA | 500 |
| FS-3 - 12' | Excavation floor | 1506466-1 | 06/24/15 | 0.02 | 0.063 | 0.0092 | 0.069 | <0.58 | <5.7 | <5.7 |
| Stockpile-A | Post-shredding confirmation | 1507015-1 | 07/01/15 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.46 | 60 | 60.46 |
| Stockpile-B | Post-shredding confirmation | 1507015-2 | 07/01/15 | < 0.0047 | < 0.0047 | < 0.0047 | < 0.005 | 0.4 | 61 | 61.4 |
| SW-1 @ 8' | Excavation Sidewall | 1509119-1 | 09/03/15 | <0.0058 | <0.0058 | <0.0058 | < 0.005 | <0.56 | <5.9 | <5.9 |
| SW-2 @ 8' | Excavation Sidewall | 1509119-2 | 09/03/15 | 30 | 580 | 68 | 750 | 12000 | 2200 | 14200 |
| SW-3 @ 8' | Excavation Sidewall | 1509119-3 | 09/03/15 | < 0.049 | < 0.0064 | 0.72 | 3.5 | 25 | 76 | 101 |
| SW-4 @ 8' | Excavation Sidewall | 1509119-4 | 09/03/15 | < 0.0067 | < 0.0067 | < 0.0067 | 0.079 | 11 | 77 | 88 |
| BH-01 @ 12' | Bottom of Hole (Excavation Floor) | 1509473-1 | 09/29/15 | < 0.0051 | <0.0051 | <0.0051 | < 0.005 | 6.1 | 37 | 43.1 |
| SW-3 @ 8' | North Sidewall | 1509473-2 | 09/29/15 | 0.76 | 31 | 15 | 100 | 2000 | 1100 | 3100 |
| SW-4 @ 8' | East Sidewall | 1509473-3 | 09/29/15 | < 0.0054 | < 0.0054 | < 0.0054 | < 0.005 | <0.5 | <5.3 | <5.3 |
| SW-3A @ 8' | North Sidewall | 15090039-01 | 10/06/15 | <0.0020 | <0.005 | <0.005 | < 0.005 | <0.5 | <50 | <50 |
| SP-1 | Excavation Stockpile | 1511117-01 | 11/13/15 | <0.0020 | <0.0050 | <0.0050 | < 0.0050 | <0.50 | <50 | <50 |
| SP-2 | Excavation Stockpile | 1511117-02 | 11/13/15 | <0.0020 | <0.0050 | <0.0050 | < 0.0050 | <0.50 | <50 | <50 |
| SP-3 | Excavation Stockpile | 1511117-03 | 11/13/15 | <0.0020 | <0.0050 | <0.0050 | <0.0050 | <0.50 | <50 | <50 |

mg/kg - milligrams per kilogram

< - Analytical result is less than the reporting limit

COGCC - Colorado Oil and Gas Conservation Commisssion

GRO - Gasoline Range Organics DRO - Diesel Range Organics

TPH - Total Petroleum Hydrocarbons (Combined GRO/DRO)

Attachment 3 Boring Logs

| PROJEC | T: Nelso | n A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|-------------|-----------------|-----------------------|--------------|---------|--------------------|-------------------------|--|--------------|-------------|
| PROJEC | T NUMBE | ER: <u>701530.024</u> | 1.01 | | | | DRILLER: Ronnie Rodriguez | | |
| | | Oil & Gas Corpo | | | | | | | |
| BORING | / WELL N | NUMBER: SB-1 | | | | | | | |
| TOTAL D | EPTH: 3 | 30 | | | | | | | |
| SURFAC | E ELEVA | TION: | | | | | | | |
| GEOLOG | IST: <u>Tin</u> | n Wilhelm | | | | | | | |
| | | | I | | | 1 | PA(| 1 <u>ا</u> ز | 1 of 1 |
| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | | Depth (FT.) |
| 0 | 1111111111 | ● .● | | | | | 90% Fine Grained Sand, Poorly Graded, No Moisture, Strong Odor, | | 0 |
| | | | | | | | No Plasticity, 10YR 7/1 Light Grey | | |
| + | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | 5' | | | |
| 6 | | | 1,645 | | | | 90% Fine Grained, Sand, Poorly Graded, No Moisture, Moderate Odor, No Plasticity, 10YR 7/3 Very Pale Brown | | 6 |
| 1 | | | | | | | Oddi, No Flashicity, To TK 7/3 very Fale blown | | |
| + | | | | | | | | | |
| | | | | | | 10' | | | |
| 1 | | | 1,217 | | | 10 | 90% Fine Grained Sand, Poorly Graded, No Moisture, Moderate Odor, | | |
| 12 | | | | | | | No Plasticity, GLEY1 7/1 Light Greenish Grey | | 12 |
| 12] | | | | | | | | | |
| <u> </u> | | | | | | | | | |
| | | | 1,450 | | | | | | |
| + | | | 1,100 | | | | | | |
| | | | | | | | | | 18 |
| 18 | | | | | | | | | 10 |
| | | | | | | 20' | | | |
| | | | 133.7 | | | | 80% Fine Grained Sand & Silt, Poorly Graded Clay, No Moisture, No | | |
| | | | | | | | Odor, 5Y 8/3 Pale Yellow | | |
| | | | | | | | | | |
| 24 | | | | | | 25' | | | 24 |
| | | | 32.5 | | | 25 | 80% Fine Grained Sand & Silt, Poorly Graded Clay, Rock Fragments, | | |
| 1 | | | | | | | No Moisture, No Odor, 5Y 7/3 Pale Yellow | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 30 | | | 11.4 | | | 30' | Bottom of Hole | | 30 |
| | | | | | | | Bottom of Fiole | | |
| + | - | | | | | | | | |
| | | | | | | | | | |
| |] | | | | | | | | |
| 36 | | | | | | | | | 36 |
| | | | | | | | | | |
| + | | | | | | | | | |
| REMA | LLL RKS∙ | | | Ш | | | TAL | | |
| I CLIVIA | | THIS BORING | LOG AND | WE | LL DIAGRA | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL | 1 | 4 |
| | | | | | | R | REPORT | | |

| PROJECT: | Nelsor | n A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|-------------|----------------|----------------------|--------------|---------|--------------------|-------------------------|---|----------|-------------|
| PROJECT N | NUMBE | R: <u>701530.024</u> | .01 | | | | DRILLER: Ronnie Rodriguez | | |
| CLIENT: W | /hiting (| Oil & Gas Corpo | ration | | | | DRILLING METHOD: Hollow Stem Auger | | |
| BORING / W | VELL N | IUMBER: SB-2 | | | | | BORE HOLE DIAMETER: 7 7/8" | | |
| TOTAL DEP | PTH: <u>3</u> | 5 | | | | | SCREEN: Diam Length Slot Size | | |
| SURFACE E | ELEVA | TION: | | | | | CASING: Diam Length Type | | |
| GEOLOGIS | T: <u>Tim</u> | Wilhelm | | | | | | | |
| | | | | | | | PA | GE ´ | 1 of 1 |
| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | | Depth (FT.) |
| 0 | . | | | | | | | L | 0 |
| | | | | | | 5' | 70% Fine Grained Sand & Silt, Rock Fragments, No Moisture, Slight Odor, Clay, Odor is that of Old, 10YR 4/3 Brown | | - |
| 6 | | | 1.1 | | | | 90% Fine Grained Sand & Sit, Poorly Graded, Slight Moisture, Old | L | 6 |
| | | | 4.540 | | | 10' | Odor, No Plasticity, GLEY 5/1 Greenish Grey | | - |
| | | | 1,549 | | | | 95% Fine Grained Sand, Poorly Graded, No Moisture, Strong Odor, NO Plasticity, GLEY 6/1 Greenish Grey | | |
| 12 | | | 1,681 | | | 15' | 95% Fine Grained Sand, Poorly Graded, No Moisture, Strong Odor, No Plasticity, 10YR 7/2 Light Grey | - | 12 |
| | | | | | | | | | |
| 24 — | | | 975 | | | 20' | 90% Fine Grained Sand & Silt, Poorly Graded, No Moisture, Odor, No Plasticity, 2.5Y 6/4 Light Yellowish Brown | | 24 |
| | | | 1,541 | | | 25' | 80% Fine Grained Sand & Silt, Poorly Graded, No Moisture, Slight | - | |
| | | | | | | | Odor, No Plasticity, 2.5Y 6/3 Light Yellowish Brown/ Also has Strands of 5YR 4/3 Reddish Brown | | - |
| 30 | | | 178.4 | H | | 30' | 80% Fine Grained Sand & Silt, Poorly Graded, No Moisture, No | \vdash | 30 |
| 36 | | | 37.5 | | | 35' | Plasticity, GLEY 6/1 Greenish Grey w/5YR 4/3 Reddish Brown Bottom of Hole | | 36 |
| - | | | | | | | | | |
| REMARI | | THIS BORING I | LOG AND | WE | LL DIAGRA | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL EPORT | 10 | 1 |

| PROJECT: | : Nelso | n A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|-------------|----------------|-----------------------|--------------|---------|--------------------|-------------------------|--|------|-------------|
| PROJECT | NUMBE | ER: <u>701530.024</u> | 1.01 | | | | DRILLER: Ronnie Rodriguez | | |
| CLIENT: V | Whiting | Oil & Gas Corpo | ration | | | | DRILLING METHOD: Hollow Stem Auger | | |
| BORING / | WELL N | NUMBER: SB-3 | | | | | BORE HOLE DIAMETER: 7 7/8" | | |
| TOTAL DE | PTH: 2 | 25 | | | | | SCREEN: Diam Length Slot Size | | |
| SURFACE | ELEVA | TION: | | | | | CASING: Diam Length Type | | |
| GEOLOGIS | ST: <u>Tim</u> | n Wilhelm | | | | | | | |
| | | | | | | | PAG | GE 1 | 1 of 1 |
| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | | Depth (FT.) |
| 0 + 1 | | <u> </u> | | | | | | _ | 0 |
| - | | | | | | 5' | 90% Fine Grained Sand, No Moisture, No Odor, No Plasticity, Soft, 10YR 6/2 Light Brownish Grey | | - |
| 6 | | | 17.5 | | | | 90% Fine Grained Sand, No Moisture, No Odor, Soft, 10YR 6/3 Pale Brown | | 6 |
| 1 1 | | | 35.3 | | | 10' | 200/ Fire Cysined Cond No Maisture Olimbt Odes No Dissticity Coff | | - |
| 12 | | | 33.3 | | | | 90% Fine Grained Sand, No Moisture, Slight Odor, No Plasticity, Soft, 10YR 7/1 Light Grey | | 12 |
| 40 | | | 218.7 | | | 15' | 90% Fine Grained Sand, No MOisture, No Odor, No Plasticity, Soft, 10YR 5/4 Yellowish Brown | | 18 |
| 18 | | | | | | | | | |
| - | | | 13.1 | | | 20' | 90% Fine Grained Sand, No Moisture, No Odor, Soft, 10YR 5/4 Yellowish Brown | | - |
| 24 | | | | | | | | | 24 |
| | | | 5.3 | | | 25' | Bottom of Hole | | - |
| 20 | | | | | | | | | 30 |
| 36 | | | | | | | | | 36 |
| | | | | | | | | | |
| REMAR | RKS: | THIS BORING | LOG AND | WE | LL DIAGR/ | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL | 10 | 1 |

| PROJEC | T: Nelso | n A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|---------------------|----------------|-----------------------|--------------|---------|--------------------|-------------------------|--|----------|------------|
| PROJEC [*] | T NUMBI | ER: <u>701530.024</u> | 1.01 | | | | DRILLER: Ronnie Rodriguez | | |
| CLIENT: | Whiting | Oil & Gas Corpo | ration | | | | DRILLING METHOD: Hollow Stem Auger | | |
| BORING | / WELL N | NUMBER: SB-4 | | | | | BORE HOLE DIAMETER: 7 7/8" | | |
| TOTAL D | | | | | | | 0005511.0: | | |
| SURFAC | E ELEVA | TION: | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | GE | 1 of 1 |
| Depth (FT.) | | Well Construction | dings | | | on | Description of Stratum | | (· |
| Depti | Soil Symbol | Well Cor | PID Readings | Samples | Sample Interval | Description Interval | Description of ottatum | | Depth (FT. |
| 0 | 10000 | <u> </u> | | | | | | ┡ | 0 |
| | | | | | | 5' | 90% Fine Grained Sand, Slight Moisture, Strong Odor, No Plasticity, Soft, 10YR 5/1 Gray | | - |
| 6 | | | 1,386 | | | | 90% Fine Grained Sand, Moisture, Strong Odor, No Plasticity, Soft, 5YR 5/3 Reddish Brown | : | 6 |
| | | | 110.5 | | | 10' | | | - |
| 12 | | | 110.5 | | | | 90% Fine Grained Sand, Moisture, No Odor, No Plasticity, Soft, 2.5Y 6/4 Light Yellowish Brown | | 12 |
| + | | | | | | 15' | | | - |
| 10 | | | 21.8 | | | | 90% Fine Grained Sand, No Moisture, Slight Odor - Old, No Plasticity, 2.5Y 5/3 Light Olive Brown | | 18 |
| 18 | | | 13.5 | | | 20' | 90% Fine Grained Sand & Silt, No Moisture, Odor, No Plasticity, Soft, 2.5Y 6/2 Light Brownish Grey | | - |
| 24 | | | 555.6 | | | 25' | 90% Fine Grained Sand & Silt, No Moisture, No Odor, Soft, 2.5Y 5/3 Light Olive Grey | _ | 24 |
| 30 - | | | | | | 30' | | | 30 |
| 30 | | | 18.1 | | | | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 2.5Y 6/3 Pale Olive | | - |
| 36 | | | 0.5 | | | 35' | Bottom of Hole | <u> </u> | 36 |
| _ | | | | | | | | | _ |
| REMA | RKS: | THIS BORING | LOG AND | WE | LL DIAGR | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL | 1(| V |
| | | | | | | R | EPORT STATE OF THE PORT OF THE | | |

| PROJEC | T: Nelso | n A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|-------------|----------------|-----------------------|--------------|---------|--------------------|-------------------------|---|------------|-------------|
| PROJEC | T NUMBI | R: <u>701530.02</u> 4 | 4.01 | | | | DRILLER: Ronnie Rodriguez | | |
| CLIENT: | Whiting | Oil & Gas Corpo | ration | | | | DRILLING METHOD: Hollow Stem Auger | | |
| BORING | / WELL N | NUMBER: SB-5 | i | | | | BORE HOLE DIAMETER: 7 7/8" | | |
| TOTAL D | EPTH: 3 | 30 | | | | | SCREEN: Diam Length Slot Size | | |
| SURFAC | E ELEVA | TION: | | | | | | | |
| | | | | | | | | | |
| | | | | | | | PA | GE ´ | 1 of 1 |
| FT.) | | ruction | sbı | | | _ | | | <u> </u> |
| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | | Depth (FT.) |
| | 0) 0) | > | <u> </u> | 0) | 0) = | | | ├ | |
| 0 | | | | | | | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 10YR 6/6 Brownish Yellow | | 0 |
| | - | | | | | | | | |
| + | | | | | | 5' | | | - |
| 6 | | | 1.3 | | | | 85% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 2.5Y 6/3 Light Yellowish Brown | _ | 6 |
| - | - | | | | | | | _ | - |
| | | | 1.0 | | | 10' | | lacksquare | - |
| 12 | | | 1.0 | | | | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 2.5Y 5/4 Light Olive Brown | | 12 |
| 12 | | | | | | | | | |
| | | | 13.1 | | | 15' | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, | - | |
| | - | | | | | | Soft, 2.5Y 6/4 Light Yellowish Brown | | |
| 18 | | | | | | | | | 18 |
| - | | | 4.1 | | | 20' | 85% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, | _ | - |
| - | | | | | | | Soft, 5Y 6/2 Light Olive Grey | | - |
| 24 | | | | | | | | | 24 |
| | | | 32.3 | | | 25' | 85% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 2.5Y 6/3 Light Yellowish Brown | - | |
| | | | | | | | 3011, 2.31 6/3 Light reliowish brown | | |
| | | | | | | 30' | | | 30 |
| 30 | | | 1.3 | | | - 50 | Bottom of Hole | | 30 |
| | | | | | | | | | - |
| | | | | | | | | _ | - |
| 36 | | | | | | | | _ | 36 |
| | | | | | | | | _ | - |
| REMA | RKS: | | | Ш | | | TALC |) | \ |
| | - | THIS BORING | LOG AND | WE | LL DIAGRA | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL EPORT | 5 | |

| PROJEC | T: Nelso | on A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|--|------------------|------------------------|--------------|---------|--------------------|-------------------------|---|----------|-----------------|
| PROJEC | T NUMBI | ER: <u>701530.02</u> 4 | 4.01 | | | | DRILLER: Ronnie Rodriguez | | |
| CLIENT: | Whiting | Oil & Gas Corpo | ration | | | | DRILLING METHOD: Hollow Stem Auger | | |
| BORING | / WELL N | NUMBER: SB-6 | ; | | | | BORE HOLE DIAMETER: 7 7/8" | | |
| TOTAL D | EPTH: 3 | 35 | | | | | SCREEN: Diam Length Slot Size | | |
| SURFAC | E ELEVA | ATION: | | | | | CASING: Diam Length Type | | |
| GEOLOG | SIST: <u>Tir</u> | n Wilhelm | | | | | DATE DRILLED: April 16, 2015 | | |
| | | | | | | | PA | GE ´ | 1 of 1 |
| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | | Depth (FT.) |
| 0 | | ∌ .₩ .∵ :: | | | | | 90% Fine Grained Sand & Silt, Poorly Graded, No Moisture, No | ┢ | 0 |
| | | | | | | | Plasticity, 2.5Y 6/3 Light Yellowish Brown | | |
| | | | | | | | | | - |
| | | | | | | | | | |
| | | | | | | 5' | | | |
| 6 | | | 524.1 | | | | 90% Fine Grained Sand & Silt, Poorly Graded, No Moisture, Strong | L | 6 |
| | | | | | | | Odor, No Plasticity, 10YR 5/6 Yellowish Brown | | |
| <u> </u> | | | | | | | | | - |
| | | | | | | 4.01 | | | |
| + | | | 1,950 | | | 10' | 80% Fine Grained Sand, Rock Fragments, No Moisture, Odor, No | - | - |
| | | | | | | | Plasticity, 5Y 6/2 Light Olive Grey | | 12 |
| 12 | | | | | | | | | '- |
| | | | | | | | | | |
| | | | 40.5 | | | 15' | | | |
| _ | | | 49.5 | | | | 90% Fine Grained Sand, Poorly Graded, No Moisture, Strong Odor - Old, No Plasticity, 5Y 5/4 Olive | | 1 |
| | | | | | | | Old, No Flashicky, 31 3/4 Olive | | |
| 18 | | | | | | | | \vdash | 18 |
| | | | | | | 20' | | | |
| + | | | 41 | | | 20 | 85% Fine Grained Sand & Silt, Poorly Graded, Odor, No Moisture, No | 1 | 1 |
| | | | | | | | Plasticity, GLEY1 5/1 Greenish Gray | | |
| | | | | | | | | | 1 |
| 24 | | | | | | | | L | 24 |
| - | | | 495 | Ш | | 25' | DEOV. Fire Owined Cond. Decd. Oct. d. N. O. L. N. M. C. | - | |
| | - | | 495 | | | | 85% Fine Grained Sand, Poorly Graded, No Odor, No Moisture, No Plasticity, 5Y 6/2 Light Olive Green | | - |
| | | | | | | | <i>y</i> . | | |
| + | | | | | | | | | 1 |
| | | | | | | 30' | | | 30 |
| 30 | | | 18.5 | | | | 85% Fine Grained Sand & Silt, Poorly Graded, No Odor, No Moisture, | | |
| | | | | | | | No Plasticity, 5Y 5/4 Olive | | |
| | | | | | | | | | |
| <u> </u> | - | | | | | | | | - |
| | | | 5.3 | Н | | 35' | Bottom of Hole | 1 | |
| 36 | 1 | | "" | | | | DOMONI OI FIOIG | \vdash | 36 |
| | | | | | | | | | |
| | 1 | | | | | | | | 1 |
| REMA | RKS: | | | ш | | | TALC |)[| J |
| | | THIS BORING | LOG AND | WE | LL DIAGRA | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL REPORT | 51 | |
| | | | | | | | LI VIVI | | |

| PROJEC | T: Nelso | n A-6/A-7 | | | | | DRILLING COMPANY: Talon/LPE | | |
|-------------|---|-----------------------|--------------|---------|--------------------|-------------------------|--|------|-------------|
| PROJEC | T NUMBE | ER: <u>701530.024</u> | 1.01 | | | | DRILLER: Ronnie Rodriguez | | |
| CLIENT: | Whiting | Oil & Gas Corpo | ration | | | | DRILLING METHOD: Hollow Stem Auger | | |
| BORING | / WELL N | NUMBER: SB-7 | | | | | BORE HOLE DIAMETER: 7 7/8" | | |
| TOTAL D | EPTH: 3 | 30 | | | | | SCREEN: Diam Length Slot Size | | |
| SURFAC | E ELEVA | TION: | | | | | CASING: Diam Length Type | | |
| | | 14711 1 | | | | | DATE DRILLED: April 16, 2015 | | |
| | | | | | | | PA | GE ′ | 1 of 1 |
| Depth (FT.) | Soil Symbol | Well Construction | PID Readings | Samples | Sample Interval | Description Interval | Description of Stratum | | Depth (FT.) |
| 0 | | | | | | | | | 0 |
| | | | | | | 5' | 80% Fine Grained Sand, No Odor, No Moisture, No Plasticity, Soft, 2.5Y 6/3 Light Yellowish Brown | | |
| 6 | | | 0.8 | | | | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 5Y 6/3 Pale Yellow | | 6 |
| 12 | | | 1.1 | | | 10' | 80% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 5Y 5/3 Olive | | 12 |
| 18 | | | 0.6 | | | 15' | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 5Y 6/3 Pale Yellow | | 18 |
| " | | | | | | | | | |
| | | | 1.0 | | | 20' | 90% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 5Y 4/4 Olive | | 0.4 |
| 24 | | | | | | 25' | | | 24 |
| | | | 1.1 | | | | 85% Fine Grained Sand & Silt, No Moisture, No Odor, No Plasticity, Soft, 5Y 6/2 Light Olive Gray | | |
| 20 | | | | | | 30' | | | 30 |
| 36 | # 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 1.2 | | | 33 | Bottom of Hole | | 36 |
| + | | | | | | | | | |
| REMA | RKS: | | l | ш | | | ILD NOT BE LISTE SERVED AT FROM THE ORIGINAL | 10 | 1 |
| | | THIS BORING | LOG AND | WE | LL DIAGRA | | JLD NOT BE USED SEPARATE FROM THE ORIGINAL EPORT | 5 | |

KEY TO SYMBOLS

Symbol Description

Strata symbols

SCIACA SYMDOIS



Silty sand



Clayey sand

Monitor Well Details



Concrete Filler



Plugged soil boring.

Attachment 4 Analytical Reports



August 21, 2014

Olsson Associates

James Hix

4690 Table Mountain Drive

Golden

CO 80403

Project Name - Nelson - Whiting Antelope Field Spill

Project Number - 014 -

Attached are your analytical results for Nelson - Whiting Antelope Field Spill received by Origins Laboratory, Inc. August 20, 2014. This project is associated with Origins project number X408183-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc. 303.433.1322 o-squad@oelabinc.com









4690 Table Mountain Drive

Golden

CO 80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

| | CRO | SS REFEREN | CE REPORT | |
|-----------|---------------|------------|----------------------|------------------|
| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
| CS-1 | X408183-01 | Soil | August 19, 2014 8:30 | 08/20/2014 12:00 |
| CS-4 | X408183-02 | Soil | August 19, 2014 8:42 | 08/20/2014 12:00 |
| CS-5 | X408183-03 | Soil | August 19, 2014 8:47 | 08/20/2014 12:00 |
| CS-6 | X408183-04 | Soil | August 19, 2014 8:53 | 08/20/2014 12:00 |
| CS-7 | X408183-05 | Soil | August 19, 2014 8:59 | 08/20/2014 12:00 |

J. Hix ok'ed that GRO be reported by 8260. ndm

Origins Laboratory, Inc.



4690 Table Mountain Drive

Golden

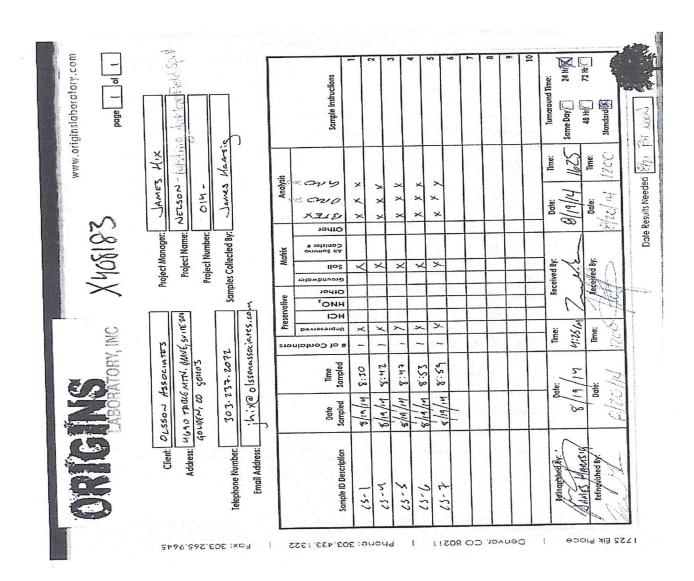
CO

80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill



Origins Laboratory, Inc.

BW



80403

Olsson Associates

4690 Table Mountain Drive

Golden

CO

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

| Origins Laboratory | | | | F-012207-01-R1 Effective Date: 01/09/12 |
|---|------------|------------------|-------------------------|--|
| Sample Recei | pt Chec | klist | | |
| Origins Work Order: 108183 | | it: 0135 | | |
| rigins work Order. | Cller | nt Project | ID: Ne | son- Whiting Antelope Field |
| hecklist Completed by: 2-48-5m-hr | | | FodEx, Hor | id Delivered, Pick-up, etc.) |
| ate/time completed: \$-/20/19 1200 | | III #: <u>NA</u> | | |
| atrix(s) Received: (Check all that apply):XSoil/Solid | d | Water _ | Othe | (Describe) |
| cooler Number/Temperature:/_1.2^c | | c | | ecec |
| hermometer ID: 1002 | | | | |
| Requirement Description | Yes | No | N/A | Comments (if any) |
| If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ? | × | | | |
| is there ice present (document if blue ice is used) | * | | | |
| Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact) | | × | | |
| Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact) | | 1 | | |
| Were all samples received intact ⁽¹⁾ ? | × | | | |
| Was adequate sample volume provided ⁽¹⁾ ? | У. | | | |
| Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ? | | × | | |
| Is a chain-of-custody (COC) present and filled out completely (1)? | 1 | | | |
| Does the COC agree with the number and type of sample bottles received 17 | × | | | |
| Do the sample IDs on the bottle labels match the | × | | | |
| Is the COC properly relinquished by the client with date | 1 | | | |
| For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative. | | | X | |
| Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments)? (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO3, HCL, H2SO4)? (pH > 10 for samples preserved with NAASO2+NAOH, ZAAS-NAOH). | | | × | |
| Additional Comments (if any): "If NO, then contact the client before proceeding with energy oction to in the additional comments." | s and nati | o date tinge | and person case nuru | contacted as well as the corrective |
| Reviewed by | 1-16 | 211 | | Date/Time Reviewed |

Origins Laboratory, Inc.



4690 Table Mountain Drive

Golden

CO

80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

CS-1

8/19/2014 8:30:00AM

Reporting
Analyte Result Limit Units Dilution Batch Prepared Analyzed Notes

Origins Laboratory, Inc. X408183-01 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

| Diesel (C10-C28) | 299 | 50.0 | mg/kg | 1, | 4H20012 | 08/20/2014 | 08/21/2014 |
|----------------------------------|--------|--------|-------|----------|----------|------------|------------|
| Surrogate: o-Terphenyl | 93.9 % | 59-131 | | | " | " | # . `≈ |
| GBTEX by EPA 8260C | | | | | | | |
| Gasoline Range Hydrocarbons | 108 | 5.00 | mg/kg | 25 | 4H20011 | 08/20/2014 | 08/21/2014 |
| Benzene | ND | 0.0500 | п | 11 | ¥ | | ■ |
| Toluene | ND | 0.0500 | п | и | ï | | |
| Ethylbenzene | ND | 0.0500 | п | u | • | n | |
| Xylenes, total | ND | 0.0500 | 11 | u | ï | H | |
| Surrogate: 1,2-Dichloroethane-d4 | 114 % | 70-130 | | | " | " | u) |
| Surrogate: Toluene-d8 | 119 % | 70-130 | | | u | " | " |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | | | " | " | n |

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James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

CS-4

8/19/2014 8:42:00AM

Reporting
Analyte Result Limit Units Dilution Batch Prepared Analyzed Notes

Origins Laboratory, Inc. X408183-02 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

| Diesel (C10-C28) | ND | 50.0 | mg/kg | 1 | 4H20012 | 08/20/2014 | 08/21/2014 | |
|----------------------------------|--------|--------|-------|---|---------|------------|------------|---|
| Surrogate: o-Terphenyl | 92.0 % | 59-131 | | | " | " | - п | |
| GBTEX by EPA 8260C | | | | | | | | |
| Gasoline Range Hydrocarbons | 1.20 | 0.200 | mg/kg | 1 | 4H20011 | 08/20/2014 | 08/21/2014 | |
| Benzene | ND | 0.0020 | п | u | ж | | W - 3 | |
| Toluene | ND | 0.0020 | и | и | a. | K | * | |
| Ethylbenzene | ND | 0.0020 | u u | u | | × | <u>.</u> N | |
| Xylenes, total | 0.0071 | 0.0020 | • | u | и | и | | |
| Surrogate: 1,2-Dichloroethane-d4 | 99.0 % | 70-130 | | | " | й | 08/21/2014 | 7 |
| Surrogate: Toluene-d8 | 108 % | 70-130 | | | " | n | " | |
| Surrogate: 4-Bromofluorobenzene | 105 % | 70-130 | | | " | , | n n | |

Origins Laboratory, Inc.

BN



4690 Table Mountain Drive

Analyte

Golden

CO 80403 James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

CS-5

8/19/2014 8:47:00AM

Reporting

Limit

Result

Units Dilution Batch

Prepared

Analyzed

Notes

Origins Laboratory, Inc. X408183-03 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

| Diesel (C10-C28) | 111 | 50.0 | mg/kg | 1 | 4H20012 | 08/20/2014 | 08/21/2014 | |
|---|--------|------------------|-------|------|---------|------------|------------|--|
| Surrogate: o-Terphenyl | 88.5 % | 59-131 | | | " | " | | |
| GBTEX by EPA 8260C | | | | | | | | |
| Gasoline Range Hydrocarbons | 4.02 | 0.200 | mg/kg | 1 | 4H20011 | 08/20/2014 | 08/21/2014 | |
| Benzene | ND | 0.0020 | | u | * | | • | |
| Toluene | 0.0023 | 0.0020 | π | | и | | × | |
| Ethylbenzene | 0.0027 | 0.0020 | | n | • | | x | |
| Xylenes, total | 0.0314 | 0.0020 | 1 | , 11 | W | ı | i . | |
| Currente 12 Dieblereethans de | 98.9 % | 70-130 | | | ,, | " | 08/21/2014 | |
| Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 103 % | 70-130 70-130 | | | TI . | " | " | |
| Surrogate: 4-Bromofluorobenzene | 101 % | 70-130 | | | n | ii | u | |

Origins Laboratory, Inc.



4690 Table Mountain Drive

Golden

CO

80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

CS-6

8/19/2014 8:53:00AM

Reporting Analyte Result Limit Units Dilution Batch Prepared Analyzed Notes

Origins Laboratory, Inc. X408183-04 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

| Diesel (C10-C28) | 113 | 50.0 | mg/kg | 1 | 4H20012 | 08/20/2014 | 08/21/2014 |
|----------------------------------|--------|--------|-------|-----|---------|------------|----------------------------|
| Surrogate: o-Terphenyl | 89.4 % | 59-131 | | | " | u. | и |
| GBTEX by EPA 8260C | | | | | | | |
| Gasoline Range Hydrocarbons | 2.57 | 0.200 | mg/kg | . 1 | 4H20011 | 08/20/2014 | 08/21/2014 |
| Benzene | ND | 0.0020 | II. | и | * | 4 | n |
| Toluene | 0.0044 | 0.0020 | | и | ĸ | • | K |
| Ethylbenzene | ND | 0.0020 | И | N | | | |
| Xylenes, total | 0.0416 | 0.0020 | | п | | ĸ | es, ¥ × e ^{nt} , |
| Surrogate: 1,2-Dichloroethane-d4 | 105 % | 70-130 | | | " | " | <i>n</i> |
| Surrogate: Toluene-d8 | 110 % | 70-130 | | | " | " | y n = 8 + 0 = 0 = 5 |
| Surrogate: 4-Bromofluorobenzene | 106 % | 70-130 | | | " | W * | |

Origins Laboratory, Inc.



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James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

CS-7

8/19/2014 8:59:00AM

| | | Reporting | | a ab tast M | | | | - 1 |
|---------|--------|-----------|-------|-------------|-------|----------|----------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Notes |

Origins Laboratory, Inc. X408183-05 (Soil)

Diesel Range Organics (DRO/TEPH) by EPA 8015C

| Diesel (C10-C28) | 323 | 50.0 | mg/kg | 1 | 4H20012 | 08/20/2014 | 08/21/2014 |
|---|--------|------------------|-------|----|---------|------------|------------|
| Surrogate: o-Terphenyl | 90.0 % | 59-131 | | | " | TT TT | n |
| GBTEX by EPA 8260C | | | | | | | 9 |
| Gasoline Range Hydrocarbons | 113 | 5.00 | mg/kg | 25 | 4H20011 | 08/20/2014 | 08/21/2014 |
| Benzene | ND | 0.0500 | и. | и | | п | m? |
| Toluene | 0.167 | 0.0500 | x | u | | п | w) |
| Ethylbenzene | 0.0970 | 0.0500 | | н | | п | N. |
| Xylenes, total | 0.906 | 0.0500 | • | n | п | • | |
| Comments of 2 Dichlers there di | 110 % | 70 120 | | | n | m. | n |
| Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 | 115 % | 70-130 70-130 | | | " | II . | n . |
| Surrogate: 4-Bromofluorobenzene | 101 % | 70-130 | | | " | n | п |

Origins Laboratory, Inc.

BW



4690 Table Mountain Drive

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CO 80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|----------------------------------|--------|--------------------|-------|----------------|------------------|--------------|----------------|----------|--------------|-------|
| Batch 4H20011 - EPA 5030 (soil) | | | | | | | | | | |
| Blank (4H20011-BLK1) | | | | | Prepared | : 08/20/2014 | Analyzed: 08 | /20/2014 | | |
| Gasoline Range Hydrocarbons | ND | 0.200 | mg/kg | | | | | | | |
| Benzene | ND | 0.0020 | п | | | | | | | |
| Toluene | ND | 0.0020 | и | | | | | | | |
| Ethylbenzene | ND | 0.0020 | n | | | | | | | |
| Xylenes, total | ND | 0.0020 | × | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 66.0 | | ug/kg | 62.5 | | 106 | 70-130 | | | |
| Surrogate: Toluene-d8 | 64.9 | | " | 62.5 | | 104 | <i>70-130</i> | | | |
| Surrogate: 4-Bromofluorobenzene | 63.0 | | п | 62.5 | | 101 | 70-130 | | | |

Origins Laboratory, Inc.

BM



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Golden

CO

80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control Origins Laboratory, Inc.

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

Batch 4H20011 - EPA 5030 (soil)

| LCS (4H20011-BS1) | , " g | | | | Prepared: 08/20/201 | 4 Analyzed: 08/20/2014 | |
|----------------------------------|--------|--------|-------|-------|---------------------|------------------------|------|
| Benzene | 0.0928 | 0.0020 | mg/kg | 0.100 | 92.8 | 77.1-124 | |
| Toluene | 0.0933 | 0.0020 | и | 0.100 | 93.3 | 74.5-128 | |
| Ethylbenzene | 0.0824 | 0.0020 | 11 | 0.100 | 82.4 | 66.4-127 | |
| m,p-Xylene | 0.167 | 0.0040 | ī | 0.200 | 83.3 | 76.6-124 | |
| o-Xylene | 0.0823 | 0.0020 | n | 0.100 | 82.3 | 76.6-124 | |
| Surrogate: 1,2-Dichloroethane-d4 | 67.0 | | ug/kg | 62.5 | 107 | 70-130 | 4. 2 |
| Surrogate: Toluene-d8 | 65.7 | | " | 62.5 | 105 | 70-130 | |
| Surrogate: 4-Bromofluorobenzene | 64.3 | | " | 62.5 | 103 | 70-130 | |

Origins Laboratory, Inc.

BM



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James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------------------------------|--------|--------------------|-------|----------------|------------------|--------------|----------------|----------|--------------|-------|
| Batch 4H20011 - EPA 5030 (soil) | | | | | | | | | | |
| LCS Dup (4H20011-BSD1) | , | | | | Prepared | : 08/20/2014 | Analyzed: 08 | /20/2014 | | |

| LCS Dup (4H20011-BSD1) | | | | Pre | epared: 08/20/20 | 14 Analyzed: 08/ | 20/2014 | | |
|----------------------------------|--------|--------|-------|-------|------------------|------------------|---------|----|--|
| Benzene | 0.107 | 0.0020 | mg/kg | 0.100 | 107 | 77.1-124 | 14.5 | 20 | |
| Toluene | 0.109 | 0.0020 | H. | 0.100 | 109 | 74.5-128 | 15.2 | 20 | |
| Ethylbenzene | 0.0944 | 0.0020 | n | 0.100 | 94.4 | 66.4-127 | 13.6 | 20 | |
| m,p-Xylene | 0.186 | 0.0040 | n' | 0.200 | 93.1 | 76.6-124 | 11.1 | 20 | |
| o-Xylene | 0.0948 | 0.0020 | н | 0.100 | 94.8 | 76.6-124 | 14.1 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 65.4 | | ug/kg | 62.5 | 105 | 70-130 | | | |
| Surrogate: Toluene-d8 | 65.8 | | " | 62.5 | 105 | 70-130 | | | |
| Surrogate: 4-Bromofluorobenzene | 64.5 | | n | 62.5 | 103 | 70-130 | | | |

Origins Laboratory, Inc.

BW



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James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

Volatile Organic Compounds by GC/MS SW846 8260C - Quality Control Origins Laboratory, Inc.

| | Analyte | Result | Reporting Limit | Units | Spike | Source | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---------|--------|--------------------|--------|-------|--------|------|----------------|-----|--------------|-------|
| ١ | Analyte | Result | LIIIII | UIIIIS | Level | Result | %REC | Limits | RPD | Limit | Notes |

Extractable Petroleum Hydrocarbons by 8015M - Quality Control Origins Laboratory, Inc.

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--------------------------|--------|--------------------|-------|----------------|------------------|--------------|----------------|----------|--------------|-------|
| Batch 4H20012 - EPA 3580 | | | | | | | | | | |
| Blank (4H20012-BLK1) | | | | | Prepared | : 08/20/2014 | Analyzed: 08 | /20/2014 | | |
| Diesel (C10-C28) | ND | 50.0 | mg/kg | | | | | | | |
| Surrogate: o-Terphenyl | 43 | | g | 50.0 | | 85.1 | 59-131 | | | |
| LCS (4H20012-BS1) | | | | | Prepared | : 08/20/2014 | Analyzed: 08 | /20/2014 | | |
| Diesel (C10-C28) | 947 | 50.0 | mg/kg | 1000 | | 94.7 | 64-121 | | | |
| Surrogate: o-Terphenyl | 44 | | g | 50.0 | | 88.8 | 59-131 | | | |
| LCS Dup (4H20012-BSD1) | | | | | Prepared | : 08/20/2014 | Analyzed: 08 | /20/2014 | | |
| Diesel (C10-C28) | 914 | 50.0 | mg/kg | 1000 | | 91.4 | 64-121 | 3.53 | 20 | |
| Surrogate: o-Terphenyl | 43 | | g | 50.0 | | 86.0 | 59-131 | | | |

Origins Laboratory, Inc.



4690 Table Mountain Drive

Golden

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80403

James Hix

Project Number: 014 -

Project: Nelson - Whiting Antelope Field Spill

Notes and Definitions

ND

Analyte NOT DETECTED at or above the reporting limit

RPD

Relative Percent Difference

All soil results are reported at a wet weight basis.

Origins Laboratory, Inc.

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

Page 14 of 14



Ft. Collins, Colorado LIMS Version: 6,760 Page 1 of 1

Monday, May 04, 2015

Colby Sterling Talon LPE 921 N Bivins Amarillo, TX 79107

Re: ALS Workorder: 1504425

Project Name: Nelson A6 A7 Project Number: 701530.024.01

Dear Mr. Sterling:

Twenty one soil samples were received from Talon LPE, on 4/22/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sinc/erely.

Amy R. Wolf

Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins | | | | | | | | |
|----------------------------------|---------------------------------|--|--|--|--|--|--|--|
| ALS ENVIORING | Intal – Fort Collins | | | | | | | |
| Accreditation Body | License or Certification Number | | | | | | | |
| Alaska (AK) | UST-086 | | | | | | | |
| Alaska (AK) | CO01099 | | | | | | | |
| Arizona (AZ) | AZ0742 | | | | | | | |
| California (CA) | 06251CA | | | | | | | |
| Colorado (CO) | CO01099 | | | | | | | |
| Connecticut (CT) | PH-0232 | | | | | | | |
| Florida (FL) | E87914 | | | | | | | |
| Idaho (ID) | CO01099 | | | | | | | |
| Kansas (KS) | E-10381 | | | | | | | |
| Kentucky (KY) | 90137 | | | | | | | |
| L-A-B (DoD ELAP/ISO 170250) | L2257 | | | | | | | |
| Maryland (MD) | 285 | | | | | | | |
| Missouri (MO) | 175 | | | | | | | |
| Nebraska(NE) | NE-OS-24-13 | | | | | | | |
| Nevada (NV) | CO000782008A | | | | | | | |
| New Jersey (NJ) | CO003 | | | | | | | |
| New York (NY) | 12036 | | | | | | | |
| North Dakota (ND) | R-057 | | | | | | | |
| Oklahoma (OK) | 1301 | | | | | | | |
| Pennsylvania (PA) | 68-03116 | | | | | | | |
| Tennessee (TN) | 2976 | | | | | | | |
| Texas (TX) | T104704241 | | | | | | | |
| Utah (UT) | CO01099 | | | | | | | |
| Washington (WA) | C1280 | | | | | | | |



1504425

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All surrogate recoveries were within acceptance criteria with the following exception:

| Surrogate | Sample | Direction |
|------------|--------|-----------|
| Toluene-d8 | -1 | High |

Analysis of the sample at a 500x dilution showed all surrogate recoveries passing. This suggests that the outliers were due to matrix effects. No further action was taken.

All remaining acceptance criteria were met.

GRO:

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10

All surrogate recoveries were within acceptable limits with the following exception:

| Surrogate | Sample | Direction |
|------------------------|------------|-----------|
| 2,3,4-Trifluorotoluene | 1504425-10 | High |

Inspection of the chromatogram indicated co-elution of the surrogate peak with a target component peak, biasing the surrogate result high. No further action was taken.

All remaining acceptance criteria were met.

DRO:

The samples were analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 1504425
Client Name: Talon LPE
Client Project Name: Nelson A6 A7
Client Project Number: 701530.024.01

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| SB1 0'-5' | 1504425-1 | | SOIL | 14-Apr-15 | 16:31 |
| SB1 10'-15' | 1504425-2 | | SOIL | 14-Apr-15 | 16:54 |
| SB1 15'-20' | 1504425-3 | | SOIL | 14-Apr-15 | 17:00 |
| SB1 25'-30' | 1504425-4 | | SOIL | 14-Apr-15 | 17:30 |
| SB2 10'-15' | 1504425-5 | | SOIL | 15-Apr-15 | 9:35 |
| SB2 20'-25' | 1504425-6 | | SOIL | 15-Apr-15 | 9:59 |
| SB2 30'-35' | 1504425-7 | | SOIL | 15-Apr-15 | 10:20 |
| SB3 10'-15' | 1504425-8 | | SOIL | 15-Apr-15 | 11:20 |
| SB3 20'-25' | 1504425-9 | | SOIL | 15-Apr-15 | 11:42 |
| SB4 0'-5' | 1504425-10 | | SOIL | 15-Apr-15 | 13:07 |
| SB4 10'-15' | 1504425-11 | | SOIL | 15-Apr-15 | 13:38 |
| SB4 20'-25' | 1504425-12 | | SOIL | 15-Apr-15 | 13:47 |
| SB4 30'-35' | 1504425-13 | | SOIL | 15-Apr-15 | 14:02 |
| SB5 10'-15' | 1504425-14 | | SOIL | 15-Apr-15 | 15:18 |
| SB5 25'-30' | 1504425-15 | | SOIL | 15-Apr-15 | 15:35 |
| SB6 5'-10' | 1504425-16 | | SOIL | 16-Apr-15 | 9:09 |
| SB6 10'-15' | 1504425-17 | | SOIL | 16-Apr-15 | 9:20 |
| SB6 20'-25' | 1504425-18 | | SOIL | 16-Apr-15 | 9:40 |
| SB6 30'-35' | 1504425-19 | | SOIL | 16-Apr-15 | 10:00 |
| SB7 10'-15' | 1504425-20 | | SOIL | 16-Apr-15 | 10:40 |
| SB7 25'-30' | 1504425-21 | | SOIL | 16-Apr-15 | 11:15 |

Date Printed: Monday, May 04, 2015

| 4 | |
|---|--|

S Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Cus

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| WORKORDER | • |
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| (ALS) | | SAI | SAMPLER 7 | 111 m/ | 1 | Hollow. | | ٥ | DATE | 1/17 | 11/01/16 | PAGE | | 4 | Τ |
|---------------------|---|--------------------|----------------|--------------|------------|----------------------|----------------|-------------|-----------|------|----------|--------------|----------|------------------|-----|
| PROJECT NAME | A10/00 41. 47 | | SITE ID | | 3 | | | | | 710 | | | | 5 | |
| | 1011 | | | | | | | IUKNAKO | | | | DISPOSAL | By Labor | Return to Client | ent |
| PROJECT No. | 10/530,024,01 | EDD FC | EDD FORMAT | | | | | | | | | | | | |
| | | PURCHASE ORDER | DRDER | | | | <u> </u> | | | | | | | • | |
| COMPANY NAME | Talon LPE | BILL TO COMPANY | IPANY (HE 6 , | 111119 | | | | | | | | | | | |
| SEND REPORT TO | 100 | INVOICE ATTN TO | <u> </u> | Kule inc | JUN 130 10 | 100 | | | | | | | | | |
| ADDRESS | 921 10 811/115 | ΨĐ | ADDRESS | 1 | | | | | | | | _ | | | |
| CITY / STATE / ZIP | AM 01/110 TX 79/07 | CITY / STATE / ZIP | E/ZIP | | | : | <u>/</u> | (| | | | | | | |
| PHONE | | | PHONE | | | | 0_1 | ny Cy | | | | | | | |
| FAX | | | FAX | | | | . <u>∀</u> | () 19) | | | | | | | |
| E-MAIL | CS +e11 ing (4-talon / pe, com | | E-MAIL | | | | | | | | | | | | |
| | 1 0 | | | | | | | | | | | | | | |
| Lab ID | Field ID | Matrix | Sample Date | Sample | Bottles | Pres. | ၁ဗ | | | | | | | • | |
| Θ | 5.81 0-5 | 5 | 4/14/15 | 16.31 | જ | $\chi_{\mathcal{L}}$ | \rightarrow | × | | | | | | | |
| 3 | 501 10'-15' | S |)) | 45,91 | V | ~ | | 1 | | | | | | | |
| <u> </u> | SBI 15-20' | 5 | ~ | 00:11 | | | | \ \ \ | | | | | | | Τ |
| (2) | 581 25-30 | 5 | // | 17:30 | | | | // | | | i | | | | |
| | | | | | | | | | | | | | | | Π |
| | | | | | | | | | | | | | | | T |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | - 1 | | | | | | | | | | | | | | |
| Time Zone (Circle): | "Ilme Zone (Circle): EST CST MST PST Matrix: O=oil S=soil NS=non-soil solid W=water L=liquid E=extract F=filter | il NS = non-soil s | olid W = water | L=liquid E=e | xtract F = | filter | | | | | | | | |] |
| For metals or anic | For metals or anions, please detail analytes below. | | | | | | | SIG | SIGNATURE | | PRIN | PRINTED NAME | DATE | TIME | |

| Comments: | | | | | | 8 | QC PACKAGE (check below) | elow) |
|---|------|--------|---------|--------|----------|---------|----------------------------|--------------------------------------|
| of | | | | | | | LEVEL II (Standard QC) | ndard QC) |
| 45 | | | | | | | LEVEL III (Std QC + forms) | QC + forms) |
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| Preservative Key: 1-HCI 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 | 1-HC | 2-HN03 | 3-H2SO4 | 4-NaOH | 5-NaHSO4 | 7-Other | 8-4 degrees C (| 9-5035 |

| | SIGNATURE | PRINTED NAME | DATE | TIME |
|-----------------|-----------|--------------------------|--------|------|
| RELINQUISHED BY | All Wind | Tim Wilhelm | 1/1/16 | 4.53 |
| RECEIVED BY | のなかり | Erin Peterson 422 15 095 | 422/15 | 00 |
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225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522 ry Group

Chain-of-Custody

WORKORDER | SOH425 Form 202r8

| | | | - | | 4 | | | | | | | | | | |
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| PROJECT NAME | Nelson Ab A7 | | SITE ID | | | | | TURNAROUND | | | | DISPOSAL | By Lab or | Return 1 | Return to Client |
| PROJECT No. | 701530.024,01 | EDD F | EDD FORMAT | | | | | | | | | | | | |
| | | PURCHASE ORDER | ORDER | | | | | | | | | | | | |
| COMPANY NAME | Talen IPE | BILL TO COMPANY | ├ | Whi 7,00 | | | | | | - | | | | | |
| SEND REPORT TO | _ | INVOICE ATTN TO | | 0 | 1200 | 1000 000 L | | | | | | | | | |
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| FAX | | | FAX | | | | 1. 8 | y C | | | - | | - | | |
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| Lab ID | Field ID | Matrix | Sample Date | Sample | # Bottles | Pres. | မွ | | | | | | | | |
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| 9 | 5B2 20'-25' | { } | 25 | 4,59 | ∀ | Ś | | シタ | | | | | | | |
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| *Time Zone (Circle): E | = | S = soil NS = non-soil solid W = water | olid W = water | r L=liquid E=extract F=filter | extract F | = filter | | | | | | | | | |
| For metals or anio | For metals or anions, please detail analytes below. | _ | | | | | | SIGNATURE | <u></u> | | PRINT | PRINTED NAME | DATE | | TIME |

LEVEL IV (Std QC + forms + raw data) LEVEL III (Std QC + forms) LEVEL II (Standard QC) of 45

QC PACKAGE (check below)

Comments:

1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

Preservative Key:

Q 29 ErinPeterson 4/2/15 mm RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY RECEIVED BY RELINQUISHED BY

| ALS L | 225 Commo |
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-aboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

| WORKORDER | | 574425 Form 202r8

| | 770 - 064 (0.16) 'V. 110 - 064 (0.16) '''. | 77 | • | | Z, | | | | | | Form 202r8 | | <u>)</u> |) | 1 | _ |
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| - | elson A6 A7 | | SITE ID | | | | | TURNAROUND | 2 | | | DISPOSAL | <u> </u> | By Lab or | Return to Client | o Client |
| PROJECT No. | 701530.024.01 | EDD FORMAT | DRMAT | | | | | | | | | | | | | |
| | | PURCHASE ORDER | ORDER | | | | | | | | | | | | | |
| COMPANY NAME | Talon LPE | BILL TO COMPANY | MPANY 1/V | 11/2: 41 | 75 | | | | | | | | | | | |
| SEND REPORT TO $\left \mathcal{L}_{\mathcal{O}} ight $ | 1/by 5Terling | INVOICE ATTN TO | TN TO X | e | 000 | 000 | | | - | | | | | | | |
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| FAX | | | FAX | | | | ĺ | y2, y (| | | | | | | | |
| E-MAIL CS | E-WAIL CSterling @ talon lpe.com | | E-MAIL | | | | | 7 7 9 | | | | | | | | |
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| Lab ID | Field ID | Matrix | Sample Date | Sample Time | # Bottles | Pres. | ဗွ | | - | | _ | | | | | |
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| (4) 5 | B3 20'-25' | 7 | 4/15/15 | 11:49 | ~ | Tie. | | √ | | | | | | | | |
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| *Time Zone (Circle): EST CST MST PST | = | S = soil NS = non-soil solid W = water L = | olid W = water | L = liquid E = extract F = filter | xtract F= | filter | | | | | | |] | | | |
| For metals or anions, pl | For metals or anions, please detail analytes below. | | | | | | L | SIGN | SIGNATURE | | • | PRINTED NAME | | DATE | | TIME |
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Comments: of 45

| of 45 | Preservative Key: 1-HC |
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| | 1-HCi 2-HNO3 3-H2SO4 4-NaOH 5-NaHS |
| | 3-H2SO4 |
| | 4-NaOH |
| | 5-NaH |

LEVEL III (Std QC + forms) LEVEL IV (Std QC + forms + raw data)

LEVEL II (Standard QC)

QC PACKAGE (check below)

| 9-5035 | |
|---------------|--|
| 8-4 degrees C | |
| 7-Other | |
| 5-NaHSO4 | |
| 4-NaOH | |
| 3-H2SO4 | |
| 2-HN03 | |
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| Key: | |

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| RELINQUISHED BY | MAN /VIWY | - m Vilhola | 4/11/16 | 8,43 |
| RECEIVED BY | Section 1 | Erin Peterson 4 2215 0950 | 4 22 15 | 06.80 |
| RELINQUISHED BY | | | | |
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S Laboratory Group

Sommerce Drive, Fort Collins, Colorado 80524 800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

| WORKORDER | | 504425 Form 202r8 7//01/10 JATE

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| | | SAN | SAMPLER | lim w | Se S | <u></u> | ã | DATE | 51/00/h | | PAGE | | ō | |
| PROJECT NAME | Nelson A6 A7 | <i>w</i> | SITE ID | | | | TURNAROUND | | | DISPOSAL | ↓_ | By Lab or | Return | Return to Client |
| PROJECT No. | 701530.024.01 | EDD FORMAT | RMAT | | | | | | | | ┷ | | - | |
| | | PURCHASE ORDER | RDER | | | | | | | | | | | |
| COMPANY NAME | | BILL TO COMPANY | IPANY [| 17.01 | 000 | | - | | - | | | | | |
| SEND REPORT TO | | INVOICE ATTN TO | 1 | 116 h | 25/27 | 20000 | | | - | | | | | |
| ADDRESS | | ADC | ADDRESS | | | | | | | | | | | |
| CITY / STATE / ZIP | 7 | CITY / STATE / ZIP | E/ZIP | | | | | | | | | | | |
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| Lab ID | Field ID | Matrix | Sample Date | Sample Time | Bottles | Pres. | သ | | | | | | | - |
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| Table (Olicie). | EST CST MST PST Matrix: O = OII S = SOII NS = non-soil SOII W = water L = | l NS = non-soil so | ilid W=water | L=fiquid E=extract F=fitter | extract F | = filter | | | | | | | | |
| For metals or anic | For metals or anions, please detail analytes below. | | | | | | SIGN | SIGNATURE | | PRINTED NAME | | DATE | | TIME |
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| Preservative Key: | 1-HCI | 2-HNO3 | 3-H2SO4 | 4-NaOH | 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 | 7-Other | 8-4 de | grees C | 9-5035 |
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ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

WORKORDER | 504425

| | IF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522 | 522 | | , | 00 | | | | | | Form 202r8 | . | こりつととグ | , T | 3 |
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| PROJECT NAME | _ | 3, | SITE ID | • | | | | TURNAROUND | 2 | | | DISPOSAL | By Lab or | | Return to Client |
| PROJECT No. | 701530,024,01 | EDD FC | EDD FORMAT | | | | | | | | | | | <u> </u> | |
| | | PURCHASE ORDER | RDER | | | | | | | | | | | _ | |
| COMPANY NAME | Talon 1 Pr | BILL TO COMPANY | IPANY W/D! | 2017/19 | | i | | | | | | | | | |
| SEND REPORT TO | | INVOICE ATTN TO | | 1/2 11/4 | 040 | 0 00 | | | | | | | | | _ |
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| E-MAIL | CStorling @ talonle, com | | E-MAIL | | | | T | | | | | | | | |
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| Lab ID | Field ID | Matrix | Sample Date | Sample Time | # Bottles | Pres. | U | | | | | | | | |
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| IIIIIe zone (Circle): 1 | Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid | NS = non-soil so | lid W≃water I | = liquid E = ex | E = extract F = filter | ter | | | | | | | | | |
| or metals or ano | FOr metals or anions, please detail analytes helow | | | | | | _ | | | | | | | ŀ | |

For metals or anions, please detail analytes below.

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Preservative Key:

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| LEVEL III (Std QC + forms) | LEVEL IV (Std QC + forms + raw data) | | 9-5035 |
| LEVEL III (S | LEVEL IV (S raw data) | | degrees C |
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| | | | 7-Other |
| | | | 1-HCI 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 |
| | | | 4-NaOH |
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| | | | 2-HNO3 |
| | | | 1-HCI |

LEVEL II (Standard QC)

QC PACKAGE (check below)

| | SIGNATURE | PRINTED NAME | DATE | TIME |
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| RELINQUISHED BY | Who we all | 1.m W/1/2/4 | 31/104 | 428 81 |
| RECEIVED BY | いなが | Frin Poterson | 422 | 05.60 |
| RELINQUISHED BY | | | | 2 |
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225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

WORKORDER | 1504 425

| PROJECT NAME PROJECT NO. COMPANY NAME SEND REPORT TO ADDRESS CITY / STATE / ZIP PHONE FAX E-MAIL C | Nolson 46 A7 701530,024,01 Talon LPT Colby Sterling 921 N BIVINS 14marillo TX79109 CSFONING @ talon 100.00m | SAMP SIT EDD FOR UNCHASE OR ALL TO COMP. ADDR ADDR ADDR F-N | TE ID MAT WANT TE ID WANT WAIL WAIL | 7 7 3 | 2000 Jan | | TURNAROUND O H O | Form 202rd | PAGE | By Lab or Return to Client |
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| 2000 | 586 5'-10' 586 10-15' 30586 20-25' 586 30-35 | 22 | 7023 | 01,6 divo | No. | 28. | フィット | | | |
| Time Zone (Circle): EST | CST MST PST Matrix: O = oil | S = soil NS = non-soil solid W = water L = liquid E = extract F = filter | W = water L | = liquid E = ex | tract F = filter | | | | | |

For metals or anions, please detail analytes below.

| Comments: | | | | | | 8 | QC PACKAGE (check below) |
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| of | | | | | | | LEVEL II (Standard QC) |
| 45 | | | | | | | LEVEL III (Std QC + forms) |
| | | | | | | | LEVEL IV (Std QC + forms + raw data) |
| | | | | | | | |
| eservative Key: | 1-HC | 2-HNO3 | 3-H2SO4 | 4-NaOH | 5-NaHSO4 | 7-Other | Preservative Key: 1-HCI 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 |

| | SIGNATURE | PRINTED NAME | DATE | TIME |
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225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 480-1511 FX: (970) 490-1522 Group

Chain-of-Custody

WORKORDER #

Form 202r8

Return to Client ō ŏ By Lab PAGE DISPOSAL SIGNATURE DATE TURNAROUND 0 4 0 1 0 4 0 ဗ KNO Wassapor 20% Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter \mathcal{C} Oriol Sample Time 5/11/ Sample Date PHONE ΕĀ BILL TO COMPANY E-MAIL SAMPLER EDD FORMAT INVOICE ATTN TO ADDRESS PURCHASE ORDER CITY / STATE / ZIP Matrix S ins 6 talon / percon For metals or anions, please detail analytes below. Sterling 131012 51-01 Field ID AMar 1110 Welgan Ta101 E-MAIL (6578") PROJECT NAME COMPANY NAME SEND REPORT TO ADDRESS PHONE PROJECT No. ξ¥ CITY / STATE / ZIP $\widehat{\mathcal{D}}$ Lab ID

of 45

1-HCI 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

Preservative Key:

LEVEL III (Std QC + forms) LEVEL IV (Std QC + forms raw data)

LEVEL II (Standard QC)

QC PACKAGE (check below)

Comments:

0420 4.54 eterson RELINQUISHED BY RECEIVED BY RECEIVED BY RELINQUISHED BY RELINQUISHED BY RECEIVED BY

DATE

PRINTED NAME



ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

| | Client: TCU ON Workorder No: 1504 42 | <u> </u> | i |
|----|--|----------|------|
| | Project Manager: ALW Initials: ECP Date: | 4/22 | 15 |
| 1. | Does this project require any special handling in addition to standard ALS procedures? | YES | (NO) |
| 2. | Are custody seals on shipping containers intact? | YES | NO |
| 3. | Are Custody seals on sample containers intact? | YES | NO |
| 4. | Is there a COC (Chain-of-Custody) present or other representative documents? | YES) | NO |
| 5. | Are the COC and bottle labels complete and legible? | YES | NO |
| 6. | Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | YES | NO |
| | | YES | NO |
| | were anoms / simpping documents present and of removation. | YES | NO |
| _ | Are an aqueous samples requiring preservation preserves early | YES | NO |
| L | Are an aqueous non-preserved samples pri 12. | (YES) | NO |
| | Is there sufficient sample for the requested analyses? | YES | NO |
| | Were all samples placed in the proper containers for the requested analyses? | YES | NO |
| | Are all samples within holding times for the requested analyses? | YES | NO |
| _ | Were all sample containers received intact? (not broken or leaking, etc.) | TES | 110 |
| 14 | Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: < green pea > green pea | YES | NO |
| 15 | 5. Do any water samples contain sediment? Amount | YES | NO |
| ١ | Amount of sediment: dusting moderate heavy | 1 LS | 110 |
| 16 | Were the samples shipped on ice? | YES | ON (|
| L | Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4 ONLY | YÉS |) NO |
| r | Cooler #: | | |
| | Temperature (°C): 3.2° | | |
| ١ | No. of custody seals on cooler: | | |
| l | DOT Survey/ Acceptance External µR/hr reading: | | |
| | Information Background µR/hr reading: | , | |
| | Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? (YES) NO / NA (If no, see Form 008. |) | |
| L | Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 | | |
| A | Additional intol mation. PROVIDE DETAILS BELOW FOR A TO REAL OF SELECTION OF SELECT | | |
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| _ | D/T | imat | |
| I | f applicable, was the client contacted? YES / NO / Sontact: Date/T | <u></u> | |
| P | Project Manager Signature / Date: | | |

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

| Package US AIT bill memory B E E B B E E B B E E B B E E B B E E B B E E B B B E E B B B E E B B B E E B B B B E B | Packages up to 150 lbs. | Ve. 2 or 3 Business Day | 7 14 37 14 1987 - 1 | Ledex Other Other Box | | MITE TO THE SENSE OF THE SENSE | Dry Ice a United Sunited Cargo Aircraft Only | Ener Fallsk Acat No. or Credit Card No. below. | Credit Card Auth. Line Europe Feel's. Service Guide for details. A SRS |
|---|---|--|------------------------|--|-------------|---|--|--|---|
| Package Express USAIrbill Inches BELZ B3BZ SI 4131115 4131115 Multiple Belge BILL State Comment division of your shipping address. | | Next Business Days Red Ex First Overright Ediss next agains a neural delever to select Loudons First suppress all to devered on hondry units Stiffully of Selection | | Packaging · Declared v FedEx Envelope* | | No Signature Required Peckagalyste elevatoring Obtaining a signature for dy fay. Does this shipment for one quirous, our odd? | No Apperatushed Appearance appear | Serder Serder XIII | Total Meight Total Meight Tour letable je limad to UST00 uniess you decem Tour letable je limad to UST00 uniess you decem Tour letable je jug- Peur i Nish sk. 60 1854- 2012 Fed. |
| Express US Airbill Tracking Express US Airbill Reference Internal Billing Reference A MC A M | | 1 m 906 467 0607 | Dept. Phon/Suites/Roo | 7910 | 670 480-151 | | | ZIP SC | i |
| Sender's FATER Package Express US All Company Conpany Company Conpany | Fadex Tracking Number | # - n Wilhe | B.V.n5 | Stene | Æ | | | State | 8062 8382 5019 |
| 3 2 | 25 | Date 4/2///5 Sender's 7/1/27/ | Company (1110.0) | | Į. | | Address C. (1970) W. L. We cannot deliver to PO. boxes a Vol. of to codes. Address Address B. W. | AU LECT NO | |

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB1 0'-5'
 Lab ID:
 1504425-1

 Legal Location:
 Matrix:
 SOIL

Collection Date: 4/14/2015 16:31 Percent Moisture: 24.8

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|---------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW80 | 15M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | 290 | 4,5,8,M | 6.4 | MG/KG | 1 | 4/23/2015 17:38 |
| Surr: O-TERPHENYL | 85 | | 53-116 | %REC | 1 | 4/23/2015 17:38 |
| Gasoline Range Organics | | SW80 | 15 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 3200 | GZ | 130 | MG/KG | 1000 | 4/24/2015 09:46 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 123 | | 76-126 | %REC | 1000 | 4/24/2015 09:46 |
| GC/MS Volatiles | | SW82 | :60 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | 0.25 | | 0.048 | MG/KG | 1 | 4/28/2015 14:31 |
| TOLUENE | 31 | | 3 | MG/KG | 500 | 4/28/2015 19:47 |
| ETHYLBENZENE | 19 | | 3 | MG/KG | 500 | 4/28/2015 19:47 |
| M+P-XYLENE | 110 | | 3 | MG/KG | 500 | 4/28/2015 19:47 |
| O-XYLENE | 40 | | 3 | MG/KG | 500 | 4/28/2015 19:47 |
| TOTAL XYLENES | 150 | | 0.005 | MG/KG | 1 | 4/28/2015 14:31 |
| Surr: DIBROMOFLUOROMETHANE | 98 | | 61-134 | %REC | 1 | 4/28/2015 14:31 |
| Surr: DIBROMOFLUOROMETHANE | 100 | | 61-134 | %REC | 500 | 4/28/2015 19:47 |
| Surr: TOLUENE-D8 | 110 | | 57-135 | %REC | 500 | 4/28/2015 19:47 |
| Surr: TOLUENE-D8 | 255 | * | 57-135 | %REC | 1 | 4/28/2015 14:31 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | | 52-151 | %REC | 500 | 4/28/2015 19:47 |
| Surr: 4-BROMOFLUOROBENZENE | 108 | | 52-151 | %REC | 1 | 4/28/2015 14:31 |

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Legal Location:

SAMPLE SUMMARY REPORT

Matrix: SOIL

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB1 10'-15'
 Lab ID:
 1504425-2

Collection Date: 4/14/2015 16:54 Percent Moisture: 6.0

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|-------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8 | 3015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | 66 | 5,8,M | 5.2 | MG/KG | 1 | 4/23/2015 18:16 |
| Surr: O-TERPHENYL | 96 | | 53-116 | %REC | 1 | 4/23/2015 18:16 |
| Gasoline Range Organics | | SW8 | 3015 | Prep | Date: 4/23/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 0.77 | Н | 0.53 | MG/KG | 1 | 4/23/2015 11:31 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 99 | | 76-126 | %REC | 1 | 4/23/2015 11:31 |
| GC/MS Volatiles | | SW8 | 3260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | | 0.0052 | MG/KG | 1 | 4/28/2015 19:23 |
| TOLUENE | ND | | 0.0052 | MG/KG | 1 | 4/28/2015 19:23 |
| ETHYLBENZENE | ND | | 0.0052 | MG/KG | 1 | 4/28/2015 19:23 |
| M+P-XYLENE | ND | | 0.0052 | MG/KG | 1 | 4/28/2015 19:23 |
| O-XYLENE | ND | | 0.0052 | MG/KG | 1 | 4/28/2015 19:23 |
| TOTAL XYLENES | ND | | 0.005 | MG/KG | 1 | 4/28/2015 19:23 |
| Surr: DIBROMOFLUOROMETHANE | 102 | | 61-134 | %REC | 1 | 4/28/2015 19:23 |
| Surr: TOLUENE-D8 | 97 | | 57-135 | %REC | 1 | 4/28/2015 19:23 |
| Surr: 4-BROMOFLUOROBENZENE | 99 | | 52-151 | %REC | 1 | 4/28/2015 19:23 |

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Legal Location:

SAMPLE SUMMARY REPORT

Matrix: SOIL

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB1 15'-20'
 Lab ID:
 1504425-3

Collection Date: 4/14/2015 17:00 Percent Moisture: 6.6

| Analyses | Result | Report Qual Limit | | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|----------|---------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep Dat | e: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.2 | MG/KG | 1 | 4/23/2015 18:52 |
| Surr: O-TERPHENYL | 93 | 53-116 | %REC | 1 | 4/23/2015 18:52 |
| Gasoline Range Organics | | SW8015 | Prep Dat | e: 4/23/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.52 | MG/KG | 1 | 4/23/2015 11:51 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 99 | 76-126 | %REC | 1 | 4/23/2015 11:51 |
| GC/MS Volatiles | | SW8260 | Prep Dat | e: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 18:37 |
| TOLUENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 18:37 |
| ETHYLBENZENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 18:37 |
| M+P-XYLENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 18:37 |
| O-XYLENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 18:37 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 18:37 |
| Surr: DIBROMOFLUOROMETHANE | 100 | 61-134 | %REC | 1 | 4/28/2015 18:37 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC | 1 | 4/28/2015 18:37 |
| Surr: 4-BROMOFLUOROBENZENE | 99 | 52-151 | %REC | 1 | 4/28/2015 18:37 |

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Legal Location:

SAMPLE SUMMARY REPORT

Matrix: SOIL

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB1 25'-30'
 Lab ID:
 1504425-4

Collection Date: 4/14/2015 17:30 Percent Moisture: 16.4

| Analyses | Result | Report Qual Limit | | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|------------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.9 | MG/KG | 1 | 4/23/2015 20:04 |
| Surr: O-TERPHENYL | 97 | 53-116 | %REC | 1 | 4/23/2015 20:04 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/23/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.54 | MG/KG | 1 | 4/23/2015 12:13 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 105 | 76-126 | %REC | 1 | 4/23/2015 12:13 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0057 | MG/KG | 1 | 4/28/2015 19:00 |
| TOLUENE | ND | 0.0057 | MG/KG | 1 | 4/28/2015 19:00 |
| ETHYLBENZENE | ND | 0.0057 | MG/KG | 1 | 4/28/2015 19:00 |
| M+P-XYLENE | ND | 0.0057 | MG/KG | 1 | 4/28/2015 19:00 |
| O-XYLENE | ND | 0.0057 | MG/KG | 1 | 4/28/2015 19:00 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 19:00 |
| Surr: DIBROMOFLUOROMETHANE | 102 | 61-134 | %REC | 1 | 4/28/2015 19:00 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC | 1 | 4/28/2015 19:00 |
| Surr: 4-BROMOFLUOROBENZENE | 98 | 52-151 | %REC | 1 | 4/28/2015 19:00 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB2 10'-15'
 Lab ID:
 1504425-5

 Legal Location:
 Matrix:
 SOIL

Collection Date: 4/15/2015 09:35 Percent Moisture: 7.4

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|-------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8 | 3015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | 250 | 5,8,M | 5.4 | MG/KG | 1 | 4/23/2015 20:39 |
| Surr: O-TERPHENYL | 97 | | 53-116 | %REC | 1 | 4/23/2015 20:39 |
| Gasoline Range Organics | | SW8 | 3015 | Prep | Date: 4/23/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 15 | Н | 1.1 | MG/KG | 1 | 4/23/2015 12:33 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 110 | | 76-126 | %REC | 1 | 4/23/2015 12:33 |
| GC/MS Volatiles | | SW8 | 3260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | | 0.053 | MG/KG | 1 | 4/28/2015 15:45 |
| TOLUENE | 0.1 | | 0.053 | MG/KG | 1 | 4/28/2015 15:45 |
| ETHYLBENZENE | 0.49 | | 0.053 | MG/KG | 1 | 4/28/2015 15:45 |
| M+P-XYLENE | 3.4 | | 0.053 | MG/KG | 1 | 4/28/2015 15:45 |
| O-XYLENE | 1.5 | | 0.053 | MG/KG | 1 | 4/28/2015 15:45 |
| TOTAL XYLENES | 4.9 | | 0.005 | MG/KG | 1 | 4/28/2015 15:45 |
| Surr: DIBROMOFLUOROMETHANE | 100 | | 61-134 | %REC | 1 | 4/28/2015 15:45 |
| Surr: TOLUENE-D8 | 131 | | 57-135 | %REC | 1 | 4/28/2015 15:45 |
| Surr: 4-BROMOFLUOROBENZENE | 104 | | 52-151 | %REC | 1 | 4/28/2015 15:45 |

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Legal Location:

SAMPLE SUMMARY REPORT

Matrix: SOIL

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB2 20'-25'
 Lab ID:
 1504425-6

Collection Date: 4/15/2015 09:59 Percent Moisture: 15.9

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|---------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8 | 3015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | 27 | 4,5,8,M | 5.8 | MG/KG | 1 | 4/23/2015 21:15 |
| Surr: O-TERPHENYL | 97 | | 53-116 | %REC | 1 | 4/23/2015 21:15 |
| Gasoline Range Organics | | SW8 | 3015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 1.2 | GZ | 0.58 | MG/KG | 1 | 4/24/2015 10:06 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 104 | | 76-126 | %REC | 1 | 4/24/2015 10:06 |
| GC/MS Volatiles | | SW8 | 3260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | | 0.0055 | MG/KG | 1 | 4/28/2015 22:53 |
| TOLUENE | 0.08 | | 0.0055 | MG/KG | 1 | 4/28/2015 22:53 |
| ETHYLBENZENE | 0.018 | | 0.0055 | MG/KG | 1 | 4/28/2015 22:53 |
| M+P-XYLENE | 0.074 | | 0.0055 | MG/KG | 1 | 4/28/2015 22:53 |
| O-XYLENE | 0.048 | | 0.0055 | MG/KG | 1 | 4/28/2015 22:53 |
| TOTAL XYLENES | 0.12 | | 0.005 | MG/KG | 1 | 4/28/2015 22:53 |
| Surr: DIBROMOFLUOROMETHANE | 100 | | 61-134 | %REC | 1 | 4/28/2015 22:53 |
| Surr: TOLUENE-D8 | 97 | | 57-135 | %REC | 1 | 4/28/2015 22:53 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | | 52-151 | %REC | 1 | 4/28/2015 22:53 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB2 30'-35'
 Lab ID:
 1504425-7

 Legal Location:
 Matrix:
 SOIL

Collection Date: 4/15/2015 10:20 Percent Moisture: 15.1

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.7 | MG/KG | 1 | 4/23/2015 21:50 |
| Surr: O-TERPHENYL | 96 | 53-116 | %REC | 1 | 4/23/2015 21:50 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/23/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.56 | MG/KG | 1 | 4/23/2015 14:15 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 104 | 76-126 | %REC | 1 | 4/23/2015 14:15 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 09:53 |
| TOLUENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 09:53 |
| ETHYLBENZENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 09:53 |
| M+P-XYLENE | ND | 0.0052 | MG/KG | 1 | 4/28/2015 09:53 |
| O-XYLENE | 0.0054 | 0.0052 | MG/KG | 1 | 4/28/2015 09:53 |
| TOTAL XYLENES | 0.0054 | 0.005 | MG/KG | 1 | 4/28/2015 09:53 |
| Surr: DIBROMOFLUOROMETHANE | 100 | 61-134 | %REC | 1 | 4/28/2015 09:53 |
| Surr: TOLUENE-D8 | 98 | 57-135 | %REC | 1 | 4/28/2015 09:53 |
| Surr: 4-BROMOFLUOROBENZENE | 100 | 52-151 | %REC | 1 | 4/28/2015 09:53 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB3 10'-15'
 Lab ID:
 1504425-8

 Legal Location:
 Matrix:
 SOIL

Collection Date: 4/15/2015 11:20 Percent Moisture: 20.3

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.7 | MG/KG | 1 | 4/24/2015 10:52 |
| Surr: O-TERPHENYL | 94 | 53-116 | %REC | 1 | 4/24/2015 10:52 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.61 | MG/KG | 1 | 4/24/2015 10:28 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 100 | 76-126 | %REC | 1 | 4/24/2015 10:28 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.006 | MG/KG | 1 | 4/28/2015 22:07 |
| TOLUENE | ND | 0.006 | MG/KG | 1 | 4/28/2015 22:07 |
| ETHYLBENZENE | ND | 0.006 | MG/KG | 1 | 4/28/2015 22:07 |
| M+P-XYLENE | ND | 0.006 | MG/KG | 1 | 4/28/2015 22:07 |
| O-XYLENE | ND | 0.006 | MG/KG | 1 | 4/28/2015 22:07 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 22:07 |
| Surr: DIBROMOFLUOROMETHANE | 100 | 61-134 | %REC | 1 | 4/28/2015 22:07 |
| Surr: TOLUENE-D8 | 95 | 57-135 | %REC | 1 | 4/28/2015 22:07 |
| Surr: 4-BROMOFLUOROBENZENE | 96 | 52-151 | %REC | 1 | 4/28/2015 22:07 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB3 20'-25'
 Lab ID:
 1504425-9

 Legal Location:
 Matrix:
 SOIL

Collection Date: 4/15/2015 11:42 Percent Moisture: 26.4

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 6.7 | MG/KG | 1 | 4/24/2015 11:27 |
| Surr: O-TERPHENYL | 93 | 53-116 | %REC | 1 | 4/24/2015 11:27 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.58 | MG/KG | 1 | 4/24/2015 10:48 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 98 | 76-126 | %REC | 1 | 4/24/2015 10:48 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0064 | MG/KG | 1 | 4/28/2015 10:16 |
| TOLUENE | ND | 0.0064 | MG/KG | 1 | 4/28/2015 10:16 |
| ETHYLBENZENE | ND | 0.0064 | MG/KG | 1 | 4/28/2015 10:16 |
| M+P-XYLENE | ND | 0.0064 | MG/KG | 1 | 4/28/2015 10:16 |
| O-XYLENE | ND | 0.0064 | MG/KG | 1 | 4/28/2015 10:16 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 10:16 |
| Surr: DIBROMOFLUOROMETHANE | 99 | 61-134 | %REC | 1 | 4/28/2015 10:16 |
| Surr: TOLUENE-D8 | 98 | 57-135 | %REC | 1 | 4/28/2015 10:16 |
| Surr: 4-BROMOFLUOROBENZENE | 98 | 52-151 | %REC | 1 | 4/28/2015 10:16 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB4 0'-5'
 Lab ID:
 1504425-10

Legal Location: Matrix: SOIL

Collection Date: 4/15/2015 13:07 Percent Moisture: 17.9

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|---------|-----------------|----------------------|------------------------|--------------------|
| Diesel Range Organics | | SW | 8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | 43 | 4,5,8,M | 5.9 | MG/KG | 1 | 4/24/2015 12:03 |
| Surr: O-TERPHENYL | 97 | | 53-116 | %REC | 1 | 4/24/2015 12:03 |
| Gasoline Range Organics | | SW8015 | | Prep Date: 4/23/2015 | | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 35 | GZ | 0.59 | MG/KG | 1 | 4/23/2015 15:18 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 144 | * | 76-126 | %REC | 1 | 4/23/2015 15:18 |
| GC/MS Volatiles | | SW | 8260 | Prep | Date: 4/29/2015 | PrepBy: TWK |
| BENZENE | ND | | 0.0059 | MG/KG | 1 | 4/29/2015 10:31 |
| TOLUENE | ND | | 0.0059 | MG/KG | 1 | 4/29/2015 10:31 |
| ETHYLBENZENE | ND | | 0.0059 | MG/KG | 1 | 4/29/2015 10:31 |
| M+P-XYLENE | ND | | 0.0059 | MG/KG | 1 | 4/29/2015 10:31 |
| O-XYLENE | ND | | 0.0059 | MG/KG | 1 | 4/29/2015 10:31 |
| TOTAL XYLENES | ND | | 0.005 | MG/KG | 1 | 4/29/2015 10:31 |
| Surr: DIBROMOFLUOROMETHANE | 97 | | 61-134 | %REC | 1 | 4/29/2015 10:31 |
| Surr: TOLUENE-D8 | 109 | | 57-135 | %REC | 1 | 4/29/2015 10:31 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | | 52-151 | %REC | 1 | 4/29/2015 10:31 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB4 10'-15'
 Lab ID:
 1504425-11

 Legal Location:
 Matrix:
 SOIL

Collection Date: 4/15/2015 13:38 Percent Moisture: 7.9

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|----------------------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.4 | MG/KG | 1 | 4/24/2015 12:39 |
| Surr: O-TERPHENYL | 95 | 53-116 | %REC | 1 | 4/24/2015 12:39 |
| Gasoline Range Organics | | SW8015 | Prep Date: 4/24/2015 | | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.49 | MG/KG | 1 | 4/24/2015 11:08 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 98 | 76-126 | %REC | 1 | 4/24/2015 11:08 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0049 | MG/KG | 1 | 4/28/2015 10:39 |
| TOLUENE | ND | 0.0049 | MG/KG | 1 | 4/28/2015 10:39 |
| ETHYLBENZENE | ND | 0.0049 | MG/KG | 1 | 4/28/2015 10:39 |
| M+P-XYLENE | ND | 0.0049 | MG/KG | 1 | 4/28/2015 10:39 |
| O-XYLENE | ND | 0.0049 | MG/KG | 1 | 4/28/2015 10:39 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 10:39 |
| Surr: DIBROMOFLUOROMETHANE | 99 | 61-134 | %REC | 1 | 4/28/2015 10:39 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC | 1 | 4/28/2015 10:39 |
| Surr: 4-BROMOFLUOROBENZENE | 96 | 52-151 | %REC | 1 | 4/28/2015 10:39 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB4 20'-25'
 Lab ID:
 1504425-12

Legal Location: Matrix: SOIL
Collection Date: 4/15/2015 13:47
Percent Moisture: 13.0

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|--------|------------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep [| Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.7 | MG/KG | 1 | 4/24/2015 13:15 |
| Surr: O-TERPHENYL | 96 | 53-116 | %REC | 1 | 4/24/2015 13:15 |
| Gasoline Range Organics | | SW8015 | Prep [| Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.51 | MG/KG | 1 | 4/24/2015 12:11 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 102 | 76-126 | %REC | 1 | 4/24/2015 12:11 |
| GC/MS Volatiles | | SW8260 | Prep [| Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0055 | MG/KG | 1 | 4/28/2015 11:02 |
| TOLUENE | 0.02 | 0.0055 | MG/KG | 1 | 4/28/2015 11:02 |
| ETHYLBENZENE | ND | 0.0055 | MG/KG | 1 | 4/28/2015 11:02 |
| M+P-XYLENE | 0.012 | 0.0055 | MG/KG | 1 | 4/28/2015 11:02 |
| O-XYLENE | 0.021 | 0.0055 | MG/KG | 1 | 4/28/2015 11:02 |
| TOTAL XYLENES | 0.032 | 0.005 | MG/KG | 1 | 4/28/2015 11:02 |
| Surr: DIBROMOFLUOROMETHANE | 101 | 61-134 | %REC | 1 | 4/28/2015 11:02 |
| Surr: TOLUENE-D8 | 98 | 57-135 | %REC | 1 | 4/28/2015 11:02 |
| Surr: 4-BROMOFLUOROBENZENE | 96 | 52-151 | %REC | 1 | 4/28/2015 11:02 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB4 30'-35'
 Lab ID:
 1504425-13

Legal Location: Matrix: SOIL
Collection Date: 4/15/2015 14:02 Percent Moisture: 17.1

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|---------|-----------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep Da | ite: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.8 | MG/KG | 1 | 4/24/2015 13:50 |
| Surr: O-TERPHENYL | 97 | 53-116 | %REC | 1 | 4/24/2015 13:50 |
| Gasoline Range Organics | | SW8015 | Prep Da | ite: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.56 | MG/KG | 1 | 4/24/2015 12:32 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 101 | 76-126 | %REC | 1 | 4/24/2015 12:32 |
| GC/MS Volatiles | | SW8260 | Prep Da | ite: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0058 | MG/KG | 1 | 4/28/2015 11:24 |
| TOLUENE | ND | 0.0058 | MG/KG | 1 | 4/28/2015 11:24 |
| ETHYLBENZENE | ND | 0.0058 | MG/KG | 1 | 4/28/2015 11:24 |
| M+P-XYLENE | ND | 0.0058 | MG/KG | 1 | 4/28/2015 11:24 |
| O-XYLENE | ND | 0.0058 | MG/KG | 1 | 4/28/2015 11:24 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 11:24 |
| Surr: DIBROMOFLUOROMETHANE | 101 | 61-134 | %REC | 1 | 4/28/2015 11:24 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC | 1 | 4/28/2015 11:24 |
| Surr: 4-BROMOFLUOROBENZENE | 100 | 52-151 | %REC | 1 | 4/28/2015 11:24 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB5 10'-15'
 Lab ID:
 1504425-14

Legal Location:Matrix:SOILCollection Date:4/15/2015 15:18Percent Moisture:11.6

| Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|--------|--|---|---|---|
| | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| ND | 5.6 | MG/KG | 1 | 4/24/2015 14:26 |
| 96 | 53-116 | %REC | 1 | 4/24/2015 14:26 |
| | SW8015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| ND | 0.53 | MG/KG | 1 | 4/24/2015 12:53 |
| 95 | 76-126 | %REC | 1 | 4/24/2015 12:53 |
| | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| ND | 0.0054 | MG/KG | 1 | 4/28/2015 11:47 |
| ND | 0.0054 | MG/KG | 1 | 4/28/2015 11:47 |
| ND | 0.0054 | MG/KG | 1 | 4/28/2015 11:47 |
| ND | 0.0054 | MG/KG | 1 | 4/28/2015 11:47 |
| ND | 0.0054 | MG/KG | 1 | 4/28/2015 11:47 |
| ND | 0.005 | MG/KG | 1 | 4/28/2015 11:47 |
| 100 | 61-134 | %REC | 1 | 4/28/2015 11:47 |
| 97 | 57-135 | %REC | 1 | 4/28/2015 11:47 |
| 98 | 52-151 | %REC | 1 | 4/28/2015 11:47 |
| | ND 96 ND 95 ND N | Result Qual Limit SW8015M 5.6 96 53-116 SW8015 ND ND 0.53 95 76-126 ND 0.0054 ND 0.505 100 61-134 97 57-135 | Result Qual Limit Units ND 5.6 MG/KG 96 53-116 %REC SW8015 Prep ND 0.53 MG/KG 95 76-126 %REC ND 0.0054 MG/KG ND 0.005 MG/KG ND 0.005 MG/KG ND 0.705 MG/KG | Result Qual Limit Units Factor SW8015M Prep Date: 4/23/2015 ND 5.6 MG/KG 1 96 53-116 %REC 1 ND 0.53 MG/KG 1 95 76-126 %REC 1 ND 0.0054 MG/KG 1 ND 0.7054 MG/KG 1 ND 0.7054 MG/KG 1 ND 0.7054 </td |

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SAMPLE SUMMARY REPORT

Matrix: SOIL

Date: 04-May-15 **Client:** Talon LPE

Project: 701530.024.01 Nelson A6 A7 **Work Order:** 1504425 Sample ID: SB5 25'-30' **Lab ID:** 1504425-15

Legal Location: Percent Moisture: 19.3 **Collection Date:** 4/15/2015 15:35

| Analyses | Result | Report Qual Limit | TT •4 | ilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|------------|-------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep Date: | 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 6.1 | MG/KG 1 | | 4/24/2015 15:01 |
| Surr: O-TERPHENYL | 98 | 53-116 | %REC 1 | | 4/24/2015 15:01 |
| Gasoline Range Organics | | SW8015 | Prep Date: | 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.36 | MG/KG 1 | | 4/24/2015 13:14 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 99 | 76-126 | %REC 1 | | 4/24/2015 13:14 |
| GC/MS Volatiles | | SW8260 | Prep Date: | 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.006 | MG/KG 1 | | 4/28/2015 12:10 |
| TOLUENE | ND | 0.006 | MG/KG 1 | | 4/28/2015 12:10 |
| ETHYLBENZENE | ND | 0.006 | MG/KG 1 | | 4/28/2015 12:10 |
| M+P-XYLENE | ND | 0.006 | MG/KG 1 | | 4/28/2015 12:10 |
| O-XYLENE | ND | 0.006 | MG/KG 1 | | 4/28/2015 12:10 |
| TOTAL XYLENES | ND | 0.005 | MG/KG 1 | | 4/28/2015 12:10 |
| Surr: DIBROMOFLUOROMETHANE | 101 | 61-134 | %REC 1 | | 4/28/2015 12:10 |
| Surr: TOLUENE-D8 | 98 | 57-135 | %REC 1 | | 4/28/2015 12:10 |
| Surr: 4-BROMOFLUOROBENZENE | 98 | 52-151 | %REC 1 | | 4/28/2015 12:10 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB6 5'-10'
 Lab ID:
 1504425-16

Legal Location:Matrix:SOILCollection Date:4/16/2015 09:09Percent Moisture:16.2

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|---------|-----------------|----------------------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | | Prep Date: 4/23/2015 | | PrepBy: JFN |
| Diesel Range Organics | 68 | 4,5,8,M | 5.9 | MG/KG | 1 | 4/24/2015 15:37 |
| Surr: O-TERPHENYL | 96 | | 53-116 | %REC | 1 | 4/24/2015 15:37 |
| Gasoline Range Organics | | SW8015 | | Prep Date: 4/24/2015 | | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 13 | GZ | 1.1 | MG/KG | 1 | 4/24/2015 13:35 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 109 | | 76-126 | %REC | 1 | 4/24/2015 13:35 |
| GC/MS Volatiles | | SW8 | 3260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | | 0.0057 | MG/KG | 1 | 4/28/2015 22:30 |
| TOLUENE | ND | | 0.0057 | MG/KG | 1 | 4/28/2015 22:30 |
| ETHYLBENZENE | ND | | 0.0057 | MG/KG | 1 | 4/28/2015 22:30 |
| M+P-XYLENE | 0.021 | | 0.0057 | MG/KG | 1 | 4/28/2015 22:30 |
| O-XYLENE | ND | | 0.0057 | MG/KG | 1 | 4/28/2015 22:30 |
| TOTAL XYLENES | 0.021 | | 0.005 | MG/KG | 1 | 4/28/2015 22:30 |
| Surr: DIBROMOFLUOROMETHANE | 104 | | 61-134 | %REC | 1 | 4/28/2015 22:30 |
| Surr: TOLUENE-D8 | 101 | | 57-135 | %REC | 1 | 4/28/2015 22:30 |
| Surr: 4-BROMOFLUOROBENZENE | 98 | | 52-151 | %REC | 1 | 4/28/2015 22:30 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB6 10'-15'
 Lab ID:
 1504425-17

Legal Location: Matrix: SOIL

Collection Date: 4/16/2015 09:20 Percent Moisture: 5.5

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.1 | MG/KG | 1 | 4/24/2015 16:13 |
| Surr: O-TERPHENYL | 93 | 53-116 | %REC | 1 | 4/24/2015 16:13 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.46 | MG/KG | 1 | 4/24/2015 13:55 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 94 | 76-126 | %REC | 1 | 4/24/2015 13:55 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:33 |
| TOLUENE | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:33 |
| ETHYLBENZENE | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:33 |
| M+P-XYLENE | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:33 |
| O-XYLENE | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:33 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:33 |
| Surr: DIBROMOFLUOROMETHANE | 99 | 61-134 | %REC | 1 | 4/28/2015 12:33 |
| Surr: TOLUENE-D8 | 100 | 57-135 | %REC | 1 | 4/28/2015 12:33 |
| Surr: 4-BROMOFLUOROBENZENE | 102 | 52-151 | %REC | 1 | 4/28/2015 12:33 |

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB6 20'-25'
 Lab ID:
 1504425-18

Legal Location:Matrix:SOILCollection Date:4/16/2015 09:40Percent Moisture:15.7

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|------------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.8 | MG/KG | 1 | 4/24/2015 16:49 |
| Surr: O-TERPHENYL | 97 | 53-116 | %REC | 1 | 4/24/2015 16:49 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.47 | MG/KG | 1 | 4/24/2015 14:16 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 92 | 76-126 | %REC | 1 | 4/24/2015 14:16 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0054 | MG/KG | 1 | 4/28/2015 12:57 |
| TOLUENE | ND | 0.0054 | MG/KG | 1 | 4/28/2015 12:57 |
| ETHYLBENZENE | ND | 0.0054 | MG/KG | 1 | 4/28/2015 12:57 |
| M+P-XYLENE | ND | 0.0054 | MG/KG | 1 | 4/28/2015 12:57 |
| O-XYLENE | ND | 0.0054 | MG/KG | 1 | 4/28/2015 12:57 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 12:57 |
| Surr: DIBROMOFLUOROMETHANE | 99 | 61-134 | %REC | 1 | 4/28/2015 12:57 |
| Surr: TOLUENE-D8 | 98 | 57-135 | %REC | 1 | 4/28/2015 12:57 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | 52-151 | %REC | 1 | 4/28/2015 12:57 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB6 30'-35'
 Lab ID:
 1504425-19

Legal Location: Matrix: SOIL
Collection Date: 4/16/2015 10:00 Percent Moisture: 19.1

| Analyses | Result | Report Qual Limit | Units Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-----------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep Date: 4/23/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 6.1 | MG/KG 1 | 4/24/2015 17:24 |
| Surr: O-TERPHENYL | 98 | 53-116 | %REC 1 | 4/24/2015 17:24 |
| Gasoline Range Organics | | SW8015 | Prep Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.56 | MG/KG 1 | 4/24/2015 14:37 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 94 | 76-126 | %REC 1 | 4/24/2015 14:37 |
| GC/MS Volatiles | | SW8260 | Prep Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0059 | MG/KG 1 | 4/28/2015 13:20 |
| TOLUENE | ND | 0.0059 | MG/KG 1 | 4/28/2015 13:20 |
| ETHYLBENZENE | ND | 0.0059 | MG/KG 1 | 4/28/2015 13:20 |
| M+P-XYLENE | ND | 0.0059 | MG/KG 1 | 4/28/2015 13:20 |
| O-XYLENE | ND | 0.0059 | MG/KG 1 | 4/28/2015 13:20 |
| TOTAL XYLENES | ND | 0.005 | MG/KG 1 | 4/28/2015 13:20 |
| Surr: DIBROMOFLUOROMETHANE | 100 | 61-134 | %REC 1 | 4/28/2015 13:20 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC 1 | 4/28/2015 13:20 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | 52-151 | %REC 1 | 4/28/2015 13:20 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

 Project:
 701530.024.01 Nelson A6 A7
 Work Order:
 1504425

 Sample ID:
 SB7 10'-15'
 Lab ID:
 1504425-20

Legal Location:Matrix:SOILCollection Date:4/16/2015 10:40Percent Moisture:12.2

Report **Dilution Analyses** Result **Date Analyzed Oual** Limit Units **Factor Diesel Range Organics** SW8015M Prep Date: 4/23/2015 PrepBy: JFN ND Diesel Range Organics 4/24/2015 18:00 5.3 MG/KG Surr: O-TERPHENYL 94 53-116 %REC 4/24/2015 18:00 **Gasoline Range Organics** SW8015 Prep Date: 4/24/2015 PrepBy: JFN GASOLINE RANGE ORGANICS ND 0.54 MG/KG 4/24/2015 15:19 Surr: 2,3,4-TRIFLUOROTOLUENE 92 76-126 %REC 1 4/24/2015 15:19 **GC/MS Volatiles** SW8260 Prep Date: 4/28/2015 PrepBy: TWK BENZENE ND 0.0052 MG/KG 4/28/2015 13:43 1 **TOLUENE** ND 0.0052 MG/KG 1 4/28/2015 13:43 **ETHYLBENZENE** ND 0.0052 MG/KG 1 4/28/2015 13:43 M+P-XYLENE ND 0.0052 MG/KG 4/28/2015 13:43 O-XYLENE ND 0.0052 MG/KG 4/28/2015 13:43 1 **TOTAL XYLENES** ND 0.005 MG/KG 4/28/2015 13:43 1 101 61-134 %REC Surr: DIBROMOFLUOROMETHANE 1 4/28/2015 13:43 Surr: TOLUENE-D8 96 57-135 %REC 4/28/2015 13:43 1 Surr: 4-BROMOFLUOROBENZENE 98 52-151 %REC 1 4/28/2015 13:43

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SAMPLE SUMMARY REPORT

Matrix: SOIL

Date: 04-May-15 **Client:** Talon LPE

Project: 701530.024.01 Nelson A6 A7 **Work Order:** 1504425 Sample ID: SB7 25'-30' **Lab ID:** 1504425-21

Legal Location: Percent Moisture: 15.1 Collection Date: 4/16/2015 11:15

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 4/25/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.7 | MG/KG | 1 | 4/26/2015 17:11 |
| Surr: O-TERPHENYL | 92 | 53-116 | %REC | 1 | 4/26/2015 17:11 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 4/24/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.43 | MG/KG | 1 | 4/24/2015 15:40 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 95 | 76-126 | %REC | 1 | 4/24/2015 15:40 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 4/28/2015 | PrepBy: TWK |
| BENZENE | ND | 0.0056 | MG/KG | 1 | 4/28/2015 14:07 |
| TOLUENE | ND | 0.0056 | MG/KG | 1 | 4/28/2015 14:07 |
| ETHYLBENZENE | ND | 0.0056 | MG/KG | 1 | 4/28/2015 14:07 |
| M+P-XYLENE | ND | 0.0056 | MG/KG | 1 | 4/28/2015 14:07 |
| O-XYLENE | ND | 0.0056 | MG/KG | 1 | 4/28/2015 14:07 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 4/28/2015 14:07 |
| Surr: DIBROMOFLUOROMETHANE | 99 | 61-134 | %REC | 1 | 4/28/2015 14:07 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC | 1 | 4/28/2015 14:07 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | 52-151 | %REC | 1 | 4/28/2015 14:07 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 04-May-15

Project: 701530.024.01 Nelson A6 A7 **Work Order:** 1504425

Sample ID: SB7 25'-30' **Lab ID:** 1504425-21

Legal Location: Matrix: SOIL
Collection Date: 4/16/2015 11:15 Percent Moisture: 15.1

Report Dilution

Report Dilution
Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits.

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

- B Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E Analyte concentration exceeds the upper level of the calibration range.
- J Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A A tentatively identified compound is a suspected aldol-condensation product.
- X The analyte was diluted below an accurate quantitation level.
- * The spike recovery is equal to or outside the control criteria used.
- + The relative percent difference (RPD) equals or exceeds the control criteria.
- G A pattern resembling gasoline was detected in this sample.
- D A pattern resembling diesel was detected in this sample.
- M A pattern resembling motor oil was detected in this sample.
- C A pattern resembling crude oil was detected in this sample.
- 4 A pattern resembling JP-4 was detected in this sample.
- 5 A pattern resembling JP-5 was detected in this sample.
- H Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8 - diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

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Client: Talon LPE Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

Date: 5/4/2015 3:52:0

QC BATCH REPORT

| Batch ID: H | IC150423-61-1 | Instrument ID FU | ELS-1 | | Method: S | N8015 | | | | | | |
|---------------------------|-------------------------|--------------------|----------------------|------------|------------------|------------|------------------|------------------------|------------|----------|--------------|------|
| LCS | Sample ID: HC150423 | 3-61 | | | Ur | nits: MG/K | G | Analys | is Date: 4 | 1/23/201 | 5 09:25 | |
| Client ID: | | Run II | D: HC150423 - | 6A | | | F | Prep Date: 4/23 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE R | RANGE ORGANICS | 2.36 | 0.5 | 2.5 | | 94 | 79-118 | | | | 20 | |
| Surr: 2,3,4- TRIFLUORO | | 0.553 | | 0.5 | | 111 | 76-126 | | | | | |
| LCSD | Sample ID: HC150423 | 3-61 | | | Uı | nits: MG/K | G | Analys | is Date: 4 | 1/23/201 | 5 16:00 | |
| Client ID: | | Run II | D: HC150423 - | 6 A | | | F | Prep Date: 4/23 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE R | RANGE ORGANICS | 2.56 | 0.5 | 2.5 | | 103 | 79-118 | | 2.36 | 8 | 20 | |
| Surr: 2,3,4- TRIFLUORO | | 0.535 | | 0.5 | | 107 | 76-126 | | | 3 | | |
| МВ | Sample ID: HC150423 | 3-61 | | | Uı | nits: MG/K | G | Analys | is Date: 4 | 1/23/201 | 5 09:45 | |
| Client ID: | | Run II | D: HC150423 - | 6A | | | F | Prep Date: 4/23 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE R | RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4- TRIFLUORO | | 0.501 | | 0.5 | | 100 | 76-126 | | | | | |
| The follow | ving samples were analy | zed in this batch: | 15044 15044 | _ | 150442 150442 | | | 1425-4 1425-10 | | | | |

QC Page: 1 of 10

Client: Talon LPE Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

| Batch ID: H | IC150423-100-1 | Instrument ID FU | ELS-1 | | Method: S | W8015M | | | | | | |
|--------------|-----------------------------|--------------------|-------------------------|---------|------------------|------------|------------------|------------------------|------------|----------|--------------|------|
| LCS | Sample ID: HC150423 | -100 | | | Uı | nits: MG/K | G | Analysi | s Date: | 4/23/201 | 15 17:03 | |
| Client ID: | | Run II | D: HC150423 - | BAAA | | | ļ | Prep Date: 4/23 | /2015 | DF: | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| Diesel Range | e Organics | 126 | 5 | 125 | | 101 | 76-124 | | | | 20 | |
| Surr: O-TEI | RPHENYL | 5.37 | | 6.25 | | 86 | 53-116 | | | | | |
| МВ | Sample ID: HC150423 | -100 | | | Uı | nits: MG/K | G | Analysi | s Date: | 4/23/201 | 15 15:52 | |
| Client ID: | | Run II | D: HC150423 - | 8AAA | | | 1 | Prep Date: 4/23 | /2015 | DF: | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| Diesel Range | e Organics | ND | 5 | | | | | | | | | |
| Surr: O-TEI | RPHENYL | 5.47 | | 6.25 | | 88 | 53-116 | | | | | |
| MS | Sample ID: 1504425-3 | | | | Uı | nits: MG/K | G | Analysi | is Date: | 4/23/201 | 15 19:28 | |
| Client ID: S | B1 15'-20' | Run II | D: HC150423 - | BAAA | | | I | Prep Date: 4/23 | /2015 | DF: | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range | e Organics | 128 | 5.24 | 131 | 5.3 | 2 98 | 76-124 | | | | 20 | |
| Surr: O-TEI | RPHENYL | 6.02 | | 6.56 | | 92 | 53-116 | | | | | |
| The follow | ving samples were analy: | zed in this batch: | 15044 15044 15044 | 125-4 | 150442 150442 | | | 4425-3 4425-6 | | | | |

QC Page: 2 of 10

Client: Talon LPE Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

| Dalcii ID. H | IC150424-61-1 | Instrument ID FU | ELS-1 | | Method: SW | /8015 | | | | | | |
|---------------------------|-------------------------------|------------------|----------------------|------------|------------------|----------|------------------|-------------------|------------|----------|--------------|-----|
| LCS | Sample ID: HC150424- 6 | 51 | | | Uni | ts: MG/K | G | Analysi | s Date: | 4/24/201 | 5 08:43 | |
| Client ID: | | Run I | D: HC150424 - | 6A | | | Р | rep Date: 4/24 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE R | RANGE ORGANICS | 2.37 | 0.5 | 2.5 | | 95 | 79-118 | | | | 20 | |
| Surr: 2,3,4- TRIFLUORO | | 0.55 | | 0.5 | | 110 | 76-126 | | | | | |
| LCSD | Sample ID: HC150424- 6 | 61 | | | Uni | ts: MG/K | G | Analysi | s Date: | 4/24/201 | 5 14:58 | |
| Client ID: | | Run II | D: HC150424 - | 6 A | | | Р | rep Date: 4/24 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE R | RANGE ORGANICS | 2.28 | 0.5 | 2.5 | | 91 | 79-118 | | 2.3 | 7 4 | 20 | |
| Surr: 2,3,4- TRIFLUORO | | 0.54 | | 0.5 | | 108 | 76-126 | | | 2 | | |
| МВ | Sample ID: HC150424-6 | 51 | | | Uni | ts: MG/K | G | Analysi | s Date: | 4/24/201 | 5 09:04 | |
| Client ID: | | Run II | D: HC150424 - | 6 A | | | Р | rep Date: 4/24 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE R | RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4- TRIFLUORO | | 0.51 | | 0.5 | | 102 | 76-126 | | | | | |
| МВ | Sample ID: HC150424-6 | 51 M | | | Uni | ts: MG/K | G | Analysi | s Date: | 4/24/201 | 5 09:25 | |
| Client ID: | | Run II | D: HC150424 - | 6A | | | Р | rep Date: 4/24 | /2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE R | RANGE ORGANICS | ND | 5 | | | | | | | | | |
| Surr: 2,3,4- TRIFLUORO | | 5.47 | | 5 | | 109 | 76-126 | | | | | |
| MS | Sample ID: 1504425-11 | | | | Uni | ts: MG/K | G | Analysi | s Date: | 4/24/201 | 5 11:29 | |
| Client ID: S | B4 10'-15' | Run II | D: HC150424 - | 6 A | | | Р | rep Date: 4/24 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE R | RANGE ORGANICS | 1.99 | 0.489 | 2.44 | 0.49 | 81 | 79-118 | | | | 40 | |
| Surr: 2,3,4- | | 0.516 | | 0.489 | | 105 | 76-126 | | | | | |

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ALS Environmental -- FC

Client: Talon LPE Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

| Batch ID: HC150424-61-1 | nstrument ID FU | ELS-1 | | Method: SW | /8015 | | | | | | |
|------------------------------------|------------------|----------------------|---------|------------------|----------|------------------|------------------------|------------|----------|--------------|------|
| MSD Sample ID: 1504425-11 | | | | Uni | ts: MG/K | G | Analys | is Date: | 4/24/201 | 5 11:50 | |
| Client ID: SB4 10'-15' | Run II | D: HC150424 - | 6A | | | | Prep Date: 4/24 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 1.87 | 0.464 | 2.32 | 0.49 | 81 | 79-118 | | 1.9 | 9 6 | 40 | |
| Surr: 2,3,4- TRIFLUOROTOLUENE | 0.479 | | 0.464 | | 103 | 76-126 | | | 7 | | |
| The following samples were analyze | d in this batch: | 15044 | 125-1 | 1504425 | 5-6 | 150 | 14425-8 | | | | |
| | | 15044 | 125-9 | 1504425 | 5-11 | 150 | 4425-12 | | | | |
| | | 15044 | 125-13 | 1504425 | 5-14 | 150 | 4425-15 | | | | |
| | | 15044 | 125-16 | 1504425 | 5-17 | 150 | 4425-18 | | | | |
| | | 15044 | 125-19 | 1504425 | 5-20 | 150 | 4425-21 | | | | |

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Client: Talon LPE Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

| C150426-100- | 1 Instrun | nent ID FU | ELS-1 | | Method: S | SW8015M | | | | | | |
|--------------|---|--|---|----------------------|---|--|-------------------------|-------------------------|-------------------------|--|--|--|
| Sample ID: | HC150426-100 | | | | L | Jnits: MG/K | G | Analysi | s Date: | 4/26/201 | 5 15:25 | |
| | | Run II | D: HC150426 - | 8A | | | F | Prep Date: 4/25 | /2015 | DF: | 1 | |
| | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| Organics | | 126 | 5 | 125 | | 101 | 76-124 | | | | 20 | |
| RPHENYL | | 9.4 | | 12.5 | | 75 | 53-116 | | | | | |
| Sample ID: | HC150426-100 | | | | L | Jnits: MG/K | G | Analysi | is Date: | 4/26/201 | 5 14:13 | |
| | | Run II | D: HC150426 - | 8A | | | F | Prep Date: 4/25 | /2015 | DF: | 1 | |
| | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| Organics | | ND | 5 | | | | | | | | | |
| 9 | | | | | | | | | | | | |
| | Sample ID: Organics RPHENYL Sample ID: | Sample ID: HC150426-100 Organics RPHENYL Sample ID: HC150426-100 | Sample ID: HC150426-100 Run II Result Organics 126 RPHENYL 9.4 Sample ID: HC150426-100 Run II Result | Result ReportLimit | Sample ID: HC150426-100 Result ReportLimit SPK Val Organics 126 5 125 RPHENYL 9.4 12.5 Sample ID: HC150426-100 Run ID: HC150426-8A Result ReportLimit SPK Val | Sample ID: HC150426-100 Run ID: HC150426-8A SPK Ref Result ReportLimit SPK Val Value Properties Properti | Sample ID: HC150426-100 | Sample ID: HC150426-100 | Sample ID: HC150426-100 | Sample ID: HC150426-100 Run ID: HC150426-8A Prep Date: 4/25/2015 | Sample ID: HC150426-100 Run ID: HC150426-8A Prep Date: 4/25/2015 DF: | Sample ID: HC150426-100 Run ID: HC150426-8A Prep Date: 4/25/2015 15:25 Prep Date: 4/25/2015 15:25 Prep Date: 4/25/2015 DF: 1 |

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Client: Talon LPE Work Order: 1504425

Surr: 4-BROMOFLUOROBENZENE

Project: 701530.024.01 Nelson A6 A7

| Project: 701530.024.01 | Nelson Ao A/ | | | | | | | | | | |
|--------------------------------|------------------|-----------------------|---------|------------------|------------|------------------|------------------------|------------|--------------|--------------|------|
| Batch ID: VL150428-4-1 | Instrument ID HP | V1 | | Method: S | W8260 | | | | | | |
| LCS Sample ID: VL150428-4 | ļ | | | U | nits: MG/K | G | Analysi | s Date: 4 | 1/28/201 | 5 08:45 | |
| Client ID: | Run II | D: VL150428- 4 | !A | | | F | Prep Date: 4/28 | /2015 | DF: 1 | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0379 | 0.005 | 0.04 | | 95 | 73-126 | | | | 30 | |
| TOLUENE | 0.0363 | 0.005 | 0.04 | | 91 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0358 | 0.005 | 0.04 | | 90 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0708 | 0.005 | 0.08 | | 88 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0353 | 0.005 | 0.04 | | 88 | 77-125 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0512 | | 0.05 | | 102 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0491 | | 0.05 | | 98 | 57-135 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0489 | | 0.05 | | 98 | 52-151 | | | | | |
| LCSD Sample ID: VL150428-4 | | | | U | nits: MG/K | G | Analysi | s Date: 4 | | | |
| Client ID: | Run II | D: VL150428- 4 | 1A | | | F | Prep Date: 4/28 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0402 | 0.005 | 0.04 | | 100 | 73-126 | | 0.0379 | 6 | 30 | |
| TOLUENE | 0.04 | 0.005 | 0.04 | | 100 | 71-127 | | 0.0363 | 10 | 30 | |
| ETHYLBENZENE | 0.04 | 0.005 | 0.04 | | 100 | 74-127 | | 0.0358 | 11 | 30 | |
| M+P-XYLENE | 0.0787 | 0.005 | 0.08 | | 98 | 79-126 | | 0.0708 | 11 | 30 | |
| O-XYLENE | 0.0401 | 0.005 | 0.04 | | 100 | 77-125 | | 0.0353 | 13 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0508 | | 0.05 | | 102 | 61-134 | | | 1 | | |
| Surr: TOLUENE-D8 | 0.0496 | | 0.05 | | 99 | 57-135 | | | 1 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0477 | | 0.05 | | 95 | 52-151 | | | 2 | | |
| MB Sample ID: VL150428-4 | | | | U | nits: MG/K | G | Analysi | is Date: 4 | 1/28/201 | 5 09:30 | |
| Client ID: | Run II | D: VL150428 -4 | IA. | | | F | Prep Date: 4/28 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0496 | | 0.05 | | 99 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0509 | | 0.05 | | 102 | 57-135 | | | | | |
| · | | | | | | | | | | | |

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0.05

0.0496

99

52-151

Client: Talon LPE
Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

The following samples were analyzed in this batch:

QC BATCH REPORT

| 1504425-1 | 1504425-5 | 1504425-7 | |
|------------|------------|------------|--|
| 1504425-9 | 1504425-11 | 1504425-12 | |
| 1504425-13 | 1504425-14 | 1504425-15 | |
| 1504425-17 | 1504425-18 | 1504425-19 | |
| 1504425-20 | 1504425-21 | | |

Client: Talon LPE Work Order: 1504425

Surr: 4-BROMOFLUOROBENZENE

Project: 701530.024.01 Nelson A6 A7

| Project: 701530.024.01 N | Nelson A6 A7 | | | | | | | | | | |
|----------------------------------|-----------------|----------------------|---------|------------------|------------|------------------|------------------------|------------|----------|--------------|------|
| Batch ID: VL150428-7-1 In | nstrument ID HP | V1 | | Method: S | W8260 | | | | | | |
| LCS Sample ID: VL150428-7 | | | | U | nits: MG/K | G | Analys | is Date: 4 | 1/28/201 | 5 16:40 | |
| Client ID: | Run II | D: VL150428-7 | 7A | | | F | Prep Date: 4/28 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0387 | 0.005 | 0.04 | | 97 | 73-126 | | | | 30 | |
| TOLUENE | 0.0367 | 0.005 | 0.04 | | 92 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0365 | 0.005 | 0.04 | | 91 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0711 | 0.005 | 0.08 | | 89 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0358 | 0.005 | 0.04 | | 89 | 77-125 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.052 | | 0.05 | | 104 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0487 | | 0.05 | | 97 | 57-135 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0486 | | 0.05 | | 97 | 52-151 | | | | | |
| LCSD Sample ID: VL150428-7 | | | | U | nits: MG/K | G | Analys | is Date: 4 | | | |
| Client ID: | Run II | D: VL150428-7 | 7A | | | F | Prep Date: 4/28 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0389 | 0.005 | 0.04 | | 97 | 73-126 | | 0.0387 | 1 | 30 | |
| TOLUENE | 0.0371 | 0.005 | 0.04 | | 93 | 71-127 | | 0.0367 | 1 | 30 | |
| ETHYLBENZENE | 0.0368 | 0.005 | 0.04 | | 92 | 74-127 | | 0.0365 | 1 | 30 | |
| M+P-XYLENE | 0.0718 | 0.005 | 0.08 | | 90 | 79-126 | | 0.0711 | 1 | 30 | |
| O-XYLENE | 0.036 | 0.005 | 0.04 | | 90 | 77-125 | | 0.0358 | 1 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0528 | | 0.05 | | 106 | 61-134 | | | 2 | | |
| Surr: TOLUENE-D8 | 0.0489 | | 0.05 | | 98 | 57-135 | | | 0 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0497 | | 0.05 | | 99 | 52-151 | | | 2 | | |
| MB Sample ID: VL150428-7 | | | | U | nits: MG/K | G | Analys | is Date: 4 | 1/28/201 | 15 17:28 | |
| Client ID: | Run II | D: VL150428-7 | 7A | | | F | Prep Date: 4/28 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0487 | | 0.05 | | 97 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0491 | | 0.05 | | 98 | 57-135 | | | | | |
| | | | | | | | | | | | _ |

ALS Environmental -- FC

98

52-151

LIMS Version: 6.760

0.05

0.0491

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Client: Talon LPE Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

| Pun II | | | UI | nits: MG/K | G | Anaiysi | s Date: | 4/28/201 | 5 17:51 | |
|-------------|--------------------------|---|---|---|---|---|---|---|---|---|
| Kullil | D: VL150428-7 | Ά | | | Pr | ep Date: 4/28 | /2015 | DF: | 50 | |
| Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| ND | 0.25 | | | | | | | | | |
| ND | 0.25 | | | | | | | | | |
| ND | 0.25 | | | | | | | | | |
| ND | 0.25 | | | | | | | | | |
| ND | 0.25 | | | | | | | | | |
| ND | 0.005 | | | | | | | | | |
| 2.42 | | 2.5 | | 97 | 61-134 | | | | | |
| 2.53 | | 2.5 | | 101 | 57-135 | | | | | |
| 2.51 | | 2.5 | | 100 | 52-151 | | | | | |
| this batch: | | | | - | | | | | | |
| | ND ND ND ND ND 2.42 2.53 | ND 0.25 ND 0.25 ND 0.25 ND 0.25 ND 0.25 ND 0.25 ND 0.005 2.42 2.53 2.51 this batch: 15044 | ND 0.25 ND 0.25 ND 0.25 ND 0.25 ND 0.25 ND 0.25 ND 0.005 2.42 2.5 2.53 2.5 2.51 2.5 | Result ReportLimit SPK Val Value ND 0.25 Value ND 0.005 Value 2.42 2.5 Value 2.53 2.5 Value 2.51 2.5 Value 4 1504425-1 150442 1504425-4 150442 150442 | Result ReportLimit SPK Val Value %REC ND 0.25 | Result ReportLimit SPK Val Value %REC Limit ND 0.25 | Result ReportLimit SPK Val Value %REC Limit Level ND 0.25 | Result ReportLimit SPK Val Value %REC Limit Level Ref ND 0.25 | Result ReportLimit SPK Val Value %REC Limit Level Ref RPD ND 0.25 | Result ReportLimit SPK Val Value %REC Limit Level Ref RPD Limit ND 0.25 |

Client: Talon LPE
Work Order: 1504425

Project: 701530.024.01 Nelson A6 A7

| Batch ID: VL150429-4-1 | Instrument ID HP | V1 | | Method: \$ | SW8260 | | | | | | |
|--------------------------------|------------------|-----------------------|---------|------------------|-------------|------------------|--------------------------|------------|---------|--------------|-------------|
| LCS Sample ID: VL150429 |)-4 | | | ι | Jnits: MG/K | G | Analysi | s Date: 4 | /29/201 | 5 06:58 | |
| Client ID: | Run II | D: VL150429 -4 | IA. | | | F | Prep Date: 4/29 / | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.041 | 0.005 | 0.04 | | 102 | 73-126 | | | | 30 | |
| TOLUENE | 0.0409 | 0.005 | 0.04 | | 102 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0405 | 0.005 | 0.04 | | 101 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0797 | 0.005 | 0.08 | | 100 | 79-126 | | | | 30 | |
| O-XYLENE | 0.039 | 0.005 | 0.04 | | 98 | 77-125 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0495 | | 0.05 | | 99 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0493 | | 0.05 | | 99 | 57-135 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.049 | | 0.05 | | 98 | 52-151 | | | | | |
| LCSD Sample ID: VL150429 |)-4 | | | Ĺ | Jnits: MG/K | G | Analysi | s Date: 4 | /29/201 | 5 07:21 | |
| Client ID: | Run II | D: VL150429- 4 | 1A | | | F | Prep Date: 4/29 | /2015 | DF: | 1 | |
| Analyta | Deput | Donortl imit | SDK Val | SPK Ref Value | 0/ BEC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Analyte | Result | ReportLimit | SPK Val | Value | %REC | | 20101 | | KFD | | Qua |
| BENZENE | 0.0404 | 0.005 | 0.04 | | 101 | 73-126 | | 0.041 | 1 | 30 | |
| TOLUENE | 0.0401 | 0.005 | 0.04 | | 100 | 71-127 | | 0.0409 | 2 | 30 | |
| ETHYLBENZENE | 0.0398 | 0.005 | 0.04 | | 99 | 74-127 | | 0.0405 | 2 | 30 | |
| M+P-XYLENE | 0.0788 | 0.005 | 0.08 | | 98 | 79-126 | | 0.0797 | 1 | 30 | |
| O-XYLENE | 0.0391 | 0.005 | 0.04 | | 98 | 77-125 | | 0.039 | 0 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0494 | | 0.05 | | 99 | 61-134 | | | 0 | | |
| Surr: TOLUENE-D8 | 0.0494 | | 0.05 | | 99 | 57-135 | | | 0 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.049 | | 0.05 | | 98 | 52-151 | | | 0 | | |
| MB Sample ID: VL150429 |)-4 | | | Ĺ | Jnits: MG/K | G | Analysi | s Date: 4 | /29/201 | 5 07:45 | |
| Client ID: | Run II | D: VL150429- 4 | 1A | | | F | Prep Date: 4/29 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| • | ND | | | | | | | | | | |
| TOLUENE TOLUENE | ND ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: | 0.0478 | 0.000 | 0.05 | | 96 | 61-134 | | | | | |
| DIBROMOFLUOROMETHANE | 2.25 | | | | | | | | | | |
| Surr: TOLUENE-D8 | 0.0501 | | 0.05 | | 100 | 57-135 | | | | | |
| Surr: 4- | 0.0498 | | 0.05 | | 100 | 52-151 | | | | | |

ALS Environmental -- FC

LIMS Version: 6.760

QC Page: 10 of 10



Ft. Collins, Colorado LIMS Version: 6,767 Page 1 of 1

Friday, June 12, 2015

Colby Sterling Talon LPE 921 N Bivins Amarillo, TX 79107

Re: ALS Workorder: 1506113

Project Name: Nelson A6/A7 Project Number: 701530.024.01

Dear Mr. Sterling:

Two soil samples were received from Talon LPE, on 6/5/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Singerely

Amy R. Wolf

Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmo | ntal – Fort Collins |
|-----------------------------|---------------------------------|
| ALS ENVIORING | Tital – Fort Collins |
| Accreditation Body | License or Certification Number |
| Alaska (AK) | UST-086 |
| Alaska (AK) | CO01099 |
| Arizona (AZ) | AZ0742 |
| California (CA) | 06251CA |
| Colorado (CO) | CO01099 |
| Connecticut (CT) | PH-0232 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| L-A-B (DoD ELAP/ISO 170250) | L2257 |
| Maryland (MD) | 285 |
| Missouri (MO) | 175 |
| Nebraska(NE) | NE-OS-24-13 |
| Nevada (NV) | CO000782008A |
| New Jersey (NJ) | CO003 |
| New York (NY) | 12036 |
| North Dakota (ND) | R-057 |
| Oklahoma (OK) | 1301 |
| Pennsylvania (PA) | 68-03116 |
| Tennessee (TN) | 2976 |
| Texas (TX) | T104704241 |
| Utah (UT) | CO01099 |
| Washington (WA) | C1280 |



1506113

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

GRO:

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10

Samples -1 and -2 had elevated surrogate recoveries (above the upper control limit). Inspection of the chromatograms for both samples indicates col-elution of the surrogate with target component peaks, giving a high bias to the surrogate recovery. No further action was taken.

All remaining acceptance criteria were met.

DRO:

The samples were analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 1506113 Client Name: Talon LPE

Client Project Name: Nelson A6/A7 Client Project Number: 701530.024.01

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| FS-1 @ 8' | 1506113-1 | | SOIL | 04-Jun-15 | 11:20 |
| F-2 @ 6' | 1506113-2 | | SOIL | 04-Jun-15 | 11:10 |

Date Printed: Friday, June 12, 2015

| ⋖ | ₹ 52 |
|----------|------|
| ~ | ALS |

A.S. Laboratory Group

| | ALS Laboratory Group | | | | Chain- | Chain-of-Custody | ody | | | | | | | |
|----------------|--|-----------------|----------------|-----------------------------|------------|------------------|------------|------|------------|----------------|-----------|-------|-------------|------------------|
| | 225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522 | ¢ 522 | | | | | | | Form 202r8 | WORKORDER # | X | 15/ | 1506113 | 2 |
| (ALS) | | BAN | BAMPLER - | 7 61 | Seis ! 1 | | | DATE | アンシン | PAGE | 8 | | ot | |
| PROJECT NAME | Nelson 1441A7 | IS | STTEID | | | | TURNAROUND | QNIX | | DISPOSAL | AL By Lab | ab or | Return | Return to Client |
| PROJECT No. | PROJECT No. 70/(20, 024,0 (| EDD FORMAT | WAT | | | | | | | | | | | |
| | | PURCHASE ORDER | WER | | | | | | | | | | | |
| COMPANY NAME | Talen /6/E | BILL TO COMPANY | WANY | hiting | | | | | | | | | | |
| SEND REPORT TO | Colby Stoling | INVOICE ATTN TO | | Kali Wassene | enel | | | | | | | | - | |
| ADDRESS | 1811/6 | QQY | ADDRESS | 70 | | | 05 | | | | | | | |
| CITY/STATE/ZIP | Ft Colling CO 80524 | CITY/STATE/ZIP | 42/ | | | | N | | | | | | | |
| PHONE | 970 | ā | PHONE | | | | /c X1 | | - | | | | | |
| FAX | | | FAX | | | | 9.3 | | | | | | | |
| E-MAIL | (3/10/00 to ha has been on | | E-MANL Ky/c | Kyle () Resource & whither | Owhiting. | 000 | 9 | | | | | | | |
| | | | | <u>م</u> _ | , | | | | | | | | | |
| Lab ID | Eleid ID | Matrix | Sample Date | Sample Time | Bottles Pr | Pres. QC | | | | | | | | ···· |
| | | | | | | | | | | | | | | |
| 0 | F3-1 a8' | 1 19 | 5/418 | 92// | / W | MA MA | XX | | | | | | | |
| 6 | 1. 2 a 6' | / | 51-4-0 | 9/// | 1 1 14 | ANA | XX | | | | | | | |
|) | | | | • | | | | | | | | | | |
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| | | | | | | | | | | | | | | |

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

| Comments: | | | | | | 용 | QC PACKAGE (check below) | k below) |
|-------------------|---|--------|---------|--------|----------|----------|---|--------------------------------------|
| 5.4 | | | | | | <u> </u> | LEVEL II (| LEVEL II (Standard QC) |
| af 1 | | | | | | L | LEVEL III (| LEVEL III (Std OC + forms) |
| 14 | | | | | | | LEVEL IV (| LEVEL IV (Std QC + forms + raw data) |
| | | | | | | L | | |
| Preservative Key: | 1 | 2-HN03 | 3-H2SO4 | 4-NaOH | 5-NaHSO4 | 7-Other | 1-HCl 2-HN03 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 | 9-5035 |

| 7.0 | SIGNATURE | PRINIED NAME | DAIE | |
|-----------------|-----------|--------------|--------------|------|
| RELINQUISHED BY | -10th 1 | 1 38186/ 21 | 1/51-5-1 | 5/2 |
| RECEIVED BY | The Vist | Epeterson | 16151151 DIS | als. |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |



Form 201r24.xls (06/04/2012)

ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

| Client: Workorder No: | 500 | 113 | |
|--|--------------|------------|-------|
| Project Manager: ARW Initials: SOm | Date: | 06-05- | 15 |
| Does this project require any special handling in addition to standard ALS procedures? | | YES | (NO) |
| 2. Are custody seals on shipping containers intact? | VONE | YES | NO |
| 3. Are Custody seals on sample containers intact? | NON | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | (YES) | NO |
| 5. Are the COC and bottle labels complete and legible? | | YE) | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | DROP OFF | YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | (N/A) | YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? | (N/A) | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | | VES | NO |
| Were all samples placed in the proper containers for the requested analyses? | | ÝES | NO |
| 12. Are all samples within holding times for the requested analyses? | | (YE) | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | | (YES) | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: < green pea > green pea | N/A | YES | NO |
| Amount of sediment:dusting moderateheavy | N/A | YES | NO |
| 16. Were the samples shipped on ice? | | YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 | RAD ONLY | YES | NO |
| Cooler #: (| | | |
| Temperature (°C): | | | |
| No. of custody seals on cooler: | | | |
| DOT Survey/ Acceptance External µR/hr reading: | | | |
| Background μR/hr reading: 12 | | | |
| Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO / NA (If no, see | e Form 008.) | | |
| Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, E. | | ND #16. | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| If applicable, was the client contacted? YES / NO / NA Contact: | Date/Ti | me: | |
| 101/ | | | -117- |
| Project Manager Signature / Date: | | | |

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 12-Jun-15

 Project:
 701530.024.01 Nelson A6/A7
 Work Order:
 1506113

 Sample ID:
 FS-1 @ 8'
 Lab ID:
 1506113-1

Legal Location: Matrix: SOIL

Collection Date: 6/4/2015 11:20 Percent Moisture: 20.8

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW | 8015M | Prep | Date: 6/9/2015 | PrepBy: JFN |
| Diesel Range Organics | 65 | ZL | 6.1 | MG/KG | 1 | 6/10/2015 15:02 |
| Surr: O-TERPHENYL | 95 | | 53-116 | %REC | 1 | 6/10/2015 15:02 |
| Gasoline Range Organics | | SWa | 8015 | Prep | Date: 6/8/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 79 | GZ | 1.1 | MG/KG | 1 | 6/8/2015 17:02 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 141 | * | 76-126 | %REC | 1 | 6/8/2015 17:02 |
| GC/MS Volatiles | | SW | 8260 | Prep | Date: 6/8/2015 | PrepBy: TWK |
| BENZENE | 0.42 | | 0.048 | MG/KG | 1 | 6/8/2015 15:16 |
| TOLUENE | 2 | | 0.26 | MG/KG | 50 | 6/9/2015 16:38 |
| ETHYLBENZENE | 0.31 | | 0.048 | MG/KG | 1 | 6/8/2015 15:16 |
| M+P-XYLENE | 1.6 | | 0.048 | MG/KG | 1 | 6/8/2015 15:16 |
| O-XYLENE | 0.62 | | 0.048 | MG/KG | 1 | 6/8/2015 15:16 |
| TOTAL XYLENES | 2.2 | | 0.005 | MG/KG | 1 | 6/8/2015 15:16 |
| Surr: DIBROMOFLUOROMETHANE | 98 | | 61-134 | %REC | 1 | 6/8/2015 15:16 |
| Surr: DIBROMOFLUOROMETHANE | 96 | | 61-134 | %REC | 50 | 6/9/2015 16:38 |
| Surr: TOLUENE-D8 | 94 | | 57-135 | %REC | 50 | 6/9/2015 16:38 |
| Surr: TOLUENE-D8 | 93 | | 57-135 | %REC | 1 | 6/8/2015 15:16 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | | 52-151 | %REC | 50 | 6/9/2015 16:38 |
| Surr: 4-BROMOFLUOROBENZENE | 95 | | 52-151 | %REC | 1 | 6/8/2015 15:16 |

AR Page 7 of 34

Surr: 4-BROMOFLUOROBENZENE

Surr: 4-BROMOFLUOROBENZENE

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 12-Jun-15

 Project:
 701530.024.01 Nelson A6/A7
 Work Order:
 1506113

 Sample ID:
 F-2 @ 6'
 Lab ID:
 1506113-2

Legal Location:Matrix:SOILCollection Date:6/4/2015 11:10Percent Moisture:17.8

93

96

Report **Dilution** Result **Date Analyzed Analyses Oual** Limit Units **Factor Diesel Range Organics** SW8015M Prep Date: 6/9/2015 PrepBy: JFN ZL **Diesel Range Organics** 110 6/10/2015 16:35 6 MG/KG Surr: O-TERPHENYL 88 53-116 %REC 6/10/2015 16:35 SW8015 Prep Date: 6/8/2015 PrepBy: JFN **Gasoline Range Organics GASOLINE RANGE ORGANICS** GΖ 54 0.96 MG/KG 6/8/2015 18:06 Surr: 2,3,4-TRIFLUOROTOLUENE 136 76-126 %REC 1 6/8/2015 18:06 **GC/MS Volatiles** SW8260 Prep Date: 6/8/2015 PrepBy: TWK BENZENE ND 0.061 MG/KG 6/8/2015 16:34 1 **TOLUENE** 0.057 0.049 MG/KG 1 6/8/2015 15:44 **ETHYLBENZENE** 0.72 0.049 MG/KG 1 6/8/2015 15:44 M+P-XYLENE 2.9 0.061 MG/KG 6/8/2015 16:34 **O-XYLENE** 0.049 MG/KG 0.71 6/8/2015 15:44 1 **TOTAL XYLENES** 3.4 0.005 MG/KG 6/8/2015 16:34 1 103 Surr: DIBROMOFLUOROMETHANE 61-134 %REC 6/8/2015 15:44 Surr: DIBROMOFLUOROMETHANE 99 61-134 %REC 1 6/8/2015 16:34 Surr: TOLUENE-D8 94 57-135 %REC 1 6/8/2015 16:34 Surr: TOLUENE-D8 91 57-135 %REC 1 6/8/2015 15:44

52-151

52-151 %REC

%REC

1

1

AR Page 8 of 34

6/8/2015 16:34

6/8/2015 15:44

SAMPLE SUMMARY REPORT

Date: 12-Jun-15 Client: Talon LPE

Project: 701530.024.01 Nelson A6/A7 Work Order: 1506113

F-2 @ 6' **Lab ID:** 1506113-2 Sample ID: **Legal Location:** Matrix: SOIL

Collection Date: 6/4/2015 11:10 **Percent Moisture: 17.8**

Report **Dilution** Analyses Result **Qual** Limit Units **Date Analyzed Factor**

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

- B Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E Analyte concentration exceeds the upper level of the calibration range.
- J Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A A tentatively identified compound is a suspected aldol-condensation product.
- X The analyte was diluted below an accurate quantitation level
- * The spike recovery is equal to or outside the control criteria used.
- + The relative percent difference (RPD) equals or exceeds the control criteria.
- G A pattern resembling gasoline was detected in this sample.
- D A pattern resembling diesel was detected in this sample.
- M A pattern resembling motor oil was detected in this sample.
- C A pattern resembling crude oil was detected in this sample.
- 4 A pattern resembling JP-4 was detected in this sample.
- 5 A pattern resembling JP-5 was detected in this sample.
- H Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8 - diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

ALS Environmental -- FC LIMS Version: 6.767

Client: Talon LPE Work Order: 1506113

Project: 701530.024.01 Nelson A6/A7

Date: 6/12/2015 11:01

QC BATCH REPORT

| LCS Sample ID: HC150608-61 | | | | l le | nits: MG/K | G | Δnalvei | s Date: | R/R/2015 | 10.26 | |
|----------------------------------|--------|----------------------|------------|------------------|------------|------------------|-------------------|------------|----------|--------------|------|
| Client ID: | Dun II | D: HC150608- | c A | Oi | iits. WG/K | | , | | DF: | | |
| Client ID. | Kun il |): пс 130006- | оА | | | PI | ep Date: 6/8/2 | 2015 | DF. | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 2.37 | 0.5 | 2.5 | | 95 | 79-118 | | | | 20 | |
| Surr: 2,3,4- TRIFLUOROTOLUENE | 0.503 | | 0.5 | | 101 | 76-126 | | | | | |
| LCSD Sample ID: HC150608-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/8/2015 | 15:41 | |
| Client ID: | Run II | D: HC150608- | 6A | | | Pr | ep Date: 6/8/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 2.45 | 0.5 | 2.5 | | 98 | 79-118 | | 2.37 | 3 | 20 | |
| Surr: 2,3,4- TRIFLUOROTOLUENE | 0.519 | | 0.5 | | 104 | 76-126 | | | 3 | | |
| MB Sample ID: HC150608-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/8/2015 | 09:47 | |
| Client ID: | Run II | D: HC150608- | 6 A | | | Pr | ep Date: 6/8/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4- TRIFLUOROTOLUENE | 0.449 | | 0.5 | | 90 | 76-126 | | | | | |

QC Page: 1 of 5

Client: Talon LPE
Work Order: 1506113

Project: 701530.024.01 Nelson A6/A7

| Balch ID: n | IC150609-101- | | | | | | | | | | | | |
|--|--|--------------|---------------------------------|--|------------------------------|-------------------------------|-------------------------------|---|--|---------------------|-------------------------------|--|-----|
| LCS | Sample ID: | HC150609-101 | | | | Uni | its: MG/K | G | Analysi | is Date: | 6/10/201 | 5 10:55 | |
| Client ID: | | | Run II | D: HC150610- | 7A | | | Р | rep Date: 6/9/2 | 2015 | DF: | 1 | |
| Analyte | | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| Diesel Range | e Organics | | 126 | 5 | 125 | | 100 | 76-124 | | | | 20 | |
| Surr: O-TE | RPHENYL | | 9.79 | | 12.5 | | 78 | 53-116 | | | | | |
| МВ | Sample ID: | HC150609-101 | | | | Uni | its: MG/K | G | Analysi | s Date: | 6/10/201 | 5 10:25 | |
| Client ID: | | | Run II | D: HC150610- | 7A | | | Р | rep Date: 6/9/2 | 2015 | DF: | 1 | |
| Analyte | | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| | | | | | | | | | | | | | |
| Diesel Range | e Organics | | ND | 5 | | | | | | | | | |
| Diesel Range Surr: O-TE | • | | ND 10.3 | 5 | 12.5 | | 82 | 53-116 | | | | | |
| | • | 1506113-1 | | 5 | 12.5 | Uni | 82 its: MG/K | | Analysi | is Date: | 6/10/201 | 5 15:33 | |
| Surr: O-TE | RPHENYL Sample ID: | 1506113-1 | 10.3 | 5 D: HC150610- | | Uni | | G | Analysi Prep Date: 6/9/2 | | 6/10/201 DF: | | |
| Surr: O-TE | RPHENYL Sample ID: | 1506113-1 | 10.3 | | | Uni SPK Ref Value | | G | • | | | | Qua |
| Surr: O-TEI MS Client ID: F | Sample ID: | 1506113-1 | 10.3 Run II | D: HC150610 -7 | 7A | SPK Ref | its: MG/K | G P Control | rep Date: 6/9/2 | 2 015 RPD | DF: | 1 RPD | Qua |
| Surr: O-TEI MS Client ID: F | Sample ID: S-1 @ 8' | 1506113-1 | Run II | D: HC150610- ReportLimit | 7A SPK Val | SPK Ref Value | its: MG/K | G P Control Limit | rep Date: 6/9/2 | 2 015 RPD | DF: | 1 RPD Limit | Qua |
| Surr: O-TEI MS Client ID: F Analyte Diesel Range Surr: O-TEI | Sample ID: S-1 @ 8' | | Run II Result | D: HC150610- ReportLimit | 7A SPK Val 153 | SPK Ref Value | %REC | G P Control Limit 76-124 53-116 | Prep Date: 6/9/2 Decision Level | RPD Ref | DF: | 1 RPD Limit | Qua |
| Surr: O-TEI MS Client ID: F Analyte Diesel Range | Sample ID: S-1 @ 8' e Organics RPHENYL Sample ID: | | Run II Result 193 | D: HC150610- ReportLimit | 7A SPK Val 153 15.3 | SPK Ref Value | %REC 84 92 | G P Control Limit 76-124 53-116 | Prep Date: 6/9/2 Decision Level | RPD Ref | DF: | 1 RPD Limit 20 5 16:04 | Qua |
| Surr: O-TEI MS Client ID: F Analyte Diesel Range Surr: O-TEI | Sample ID: S-1 @ 8' e Organics RPHENYL Sample ID: | | Run II Result 193 | D: HC150610- ReportLimit 6.11 | 7A SPK Val 153 15.3 | SPK Ref Value | %REC 84 92 | G P Control Limit 76-124 53-116 | Prep Date: 6/9/2 Decision Level Analysi | RPD Ref | DF: RPD 6/10/201 | 1 RPD Limit 20 5 16:04 | Qua |
| Surr: O-TEI MS Client ID: F Analyte Diesel Range Surr: O-TEI MSD Client ID: F | Sample ID: S-1 @ 8' Organics RPHENYL Sample ID: S-1 @ 8' | | Run II Result 193 14 Run II | D: HC150610- ReportLimit 6.11 D: HC150610- | 7A SPK Val 153 15.3 | SPK Ref Value 65 Uni | %REC 84 92 its: MG/K | G P Control Limit 76-124 53-116 G P Control | Decision Level Analysi Prep Date: 6/9/2 Decision | RPD Ref s Date: | DF: RPD 6/10/201 DF: RPD | 1 RPD Limit 20 5 16:04 1 RPD | |

QC Page: 2 of 5

Client: Talon LPE
Work Order: 1506113

Project: 701530.024.01 Nelson A6/A7

| Batch ID: VL150608-2-1 | Instrument ID HP | V1 | | Method: | SW8260 | | | | | | |
|---------------------------------------|------------------|----------------------|------------|------------------|--------------------|------------------|-------------------|------------|---------|--------------|-------------|
| LCS Sample ID: VL150608- | 2 | | | l | Jnits: MG/K | G | Analysi | s Date: 6 | /8/2015 | 11:34 | |
| Client ID: | Run II | D: VL150608-2 | 2A | | | Pi | rep Date: 6/8/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0373 | 0.005 | 0.04 | | 93 | 73-126 | | | | 30 | |
| TOLUENE | 0.035 | 0.005 | 0.04 | | 87 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0349 | 0.005 | 0.04 | | 87 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.072 | 0.005 | 0.08 | | 90 | 79-126 | | | | 30 | |
| O-XYLENE | 0.036 | 0.005 | 0.04 | | 90 | 77-125 | | | | 30 | |
| Surr: | 0.0494 | | 0.05 | | 99 | 61-134 | | | | | |
| DIBROMOFLUOROMETHANE Surr: TOLUENE-D8 | 0.046 | | 0.05 | | 92 | 57-135 | | | | | |
| Surr: 4- | 0.0508 | | 0.05 | | 102 | 52-151 | | | | | |
| BROMOFLUOROBENZENE | • | | | | 1.00 | | A1 | - D-1- 0 | 1010045 | 14.50 | |
| LCSD Sample ID: VL150608- | |). VI 450000 (| . . | ' | Jnits: MG/K | | - | s Date: 6 | | | |
| Client ID: | Run II | D: VL150608-2 | ZA | | | PI | rep Date: 6/8/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0391 | 0.005 | 0.04 | | 98 | 73-126 | | 0.0373 | 5 | 30 | |
| TOLUENE | 0.0377 | 0.005 | 0.04 | | 94 | 71-127 | | 0.035 | 7 | 30 | |
| ETHYLBENZENE | 0.037 | 0.005 | 0.04 | | 93 | 74-127 | | 0.0349 | 6 | 30 | |
| M+P-XYLENE | 0.0761 | 0.005 | 0.08 | | 95 | 79-126 | | 0.072 | 6 | 30 | |
| O-XYLENE | 0.038 | 0.005 | 0.04 | | 95 | 77-125 | | 0.036 | 5 | 30 | - |
| Surr: | 0.0491 | | 0.05 | | 98 | 61-134 | | | 1 | | |
| DIBROMOFLUOROMETHANE Surr: TOLUENE-D8 | 0.0472 | | 0.05 | | 94 | 57-135 | | | 3 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0497 | | 0.05 | | 99 | 52-151 | | | 2 | | |
| MB Sample ID: VL150608- | 2 | | | ı | Jnits: MG/K | G | Analysi | s Date: 6 | /8/2015 | 12:27 | |
| Client ID: | Run II | D: VL150608-2 | 2A | | | Pi | rep Date: 6/8/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0501 | | 0.05 | | 100 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0466 | | 0.05 | | 93 | 57-135 | | | | | |
| | 0.0487 | | 0.05 | | 97 | 52-151 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0407 | | 0.05 | | 57 | 32-131 | | | | | |

ALS Environmental -- FC

QC Page: 3 of 5

Client: Talon LPE Work Order: 1506113

Surr: TOLUENE-D8

Surr: 4-BROMOFLUOROBENZENE

Project: 701530.024.01 Nelson A6/A7

| Nelson A6/A7 | | | | | | | | | | |
|------------------|--|---|---|--|--|--|---|---|--|---|
| Instrument ID HP | V1 | | Method: | SW8260 | | | | | | |
| 2 | | | | Units: MG/K | G | Analysi | s Date: 6 | 6/9/2015 | 09:59 | |
| Run II | D: VL150609-2 | 2A | | | F | Prep Date: 6/9/2 | 2015 | DF: | 1 | |
| Result | ReportLimit | SPK Val | SPK Ref Value | f %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| 0.0418 | 0.005 | 0.04 | | 105 | 73-126 | | | | 30 | |
| 0.0395 | 0.005 | 0.04 | | 99 | 71-127 | | | | 30 | |
| 0.0383 | 0.005 | 0.04 | | 96 | 74-127 | | | | 30 | |
| 0.079 | 0.005 | 0.08 | | 99 | 79-126 | | | | 30 | |
| 0.0394 | 0.005 | 0.04 | | 98 | 77-125 | | | | 30 | |
| 0.0488 | | 0.05 | | 98 | 61-134 | | | | | |
| 0.048 | | 0.05 | | 96 | 57-135 | | | | | |
| 0.0497 | | 0.05 | | 99 | 52-151 | | | | | |
| 2 | | | | Units: MG/K | G | Analysi | s Date: (| 6/9/2015 | 10:22 | |
| Run II | D: VL150609-2 | 2A | | | F | Prep Date: 6/9/2 | 2015 | DF: | 1 | |
| Result | ReportLimit | SPK Val | SPK Ref Value | f %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| 0.0411 | · | 0.04 | | 102 | 72 126 | | 0.0419 | 2 | 20 | |
| 0.0394 | | | | | | | | | | |
| 0.0378 | | | | | | | | | | |
| 0.0784 | 0.005 | 0.08 | | 98 | 79-126 | | | | 30 | |
| 0.0387 | 0.005 | 0.04 | | 97 | 77-125 | | 0.0394 | 2 | 30 | |
| 0.0502 | | 0.05 | | 100 | 61-134 | | | 3 | | |
| 0.047 | | 0.05 | | 94 | 57-135 | | | 2 | | |
| 0.049 | | 0.05 | | 98 | 52-151 | | | 1 | | |
| 2 | | | | Units: MG/KG | | Analysis Date: 6 | | 6/9/2015 12:27 | | |
| Run II | D: VL150609-2 | 2A | | | F | Prep Date: 6/9/2 | 2015 | DF: | 1 | |
| Pocult | Poportl imit | SDK Val | | | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| | • | OI IX Val | | /oixLO | | | | - 1.1. D | | Quui |
| | | | | | | | | | | |
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| | | | | | | | | | | |
| | | | | | | | | | | |
| | 0.005 | 0.05 | | an | 61-12/ | | | | | |
| | | 0.03 | | | 01-104 | | | | | |
| | Result 0.0418 0.0395 0.0383 0.079 0.0394 0.0488 0.0497 Result 0.0411 0.0394 0.0394 0.0378 0.0378 0.0784 0.0387 0.0502 0.047 0.049 | Result ReportLimit 0.0418 0.005 0.0395 0.005 0.0394 0.005 0.0488 0.048 0.0497 Result ReportLimit 0.0411 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0394 0.005 0.0411 0.005 0.0394 0.005 0.0411 0.005 0.0394 0.005 0.0411 0.005 0.0394 0.005 0.0411 0.005 0.0394 0.005 0.0394 0.005 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 0.0050 | Result ReportLimit SPK Val 0.0418 0.005 0.04 0.0395 0.005 0.04 0.0393 0.005 0.04 0.0394 0.005 0.05 0.0497 0.05 Result ReportLimit SPK Val 0.0411 0.005 0.05 0.0411 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0394 0.005 0.04 0.0397 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0398 0.005 0.04 0.0502 0.05 0.049 0.0505 0.049 0.055 0.049 0.055 0.049 0.005 0.040 0.005 | Result ReportLimit SPK Val SPK Ret Value | Nethod SW8260 Nethod SW8260 Nethod SW8260 Nethod SW8260 Nethod N | Result Nebrot N | Nethod: SW8260 Nethod: Nethod: SW8260 Nethod: Nethod: SW8260 Nethod: Neth | Nethod: SW8260 SW8260 | Nethod: SW8260 Run D HPV SPK Val Value SPK Per Control Decision Rep Result ReportLimit SPK Val SPK Per SPK Per | Note Note |

QC Page: 4 of 5

93

97

57-135

52-151

0.05

0.05

0.0466

0.0484

Client: Talon LPE QC BATCH REPORT Work Order: 1506113

Project: 701530.024.01 Nelson A6/A7

| Batch ID: \ | VL150609-2-2 | Instrument ID HP | V1 | | Method: S | W8260 | | | | | | |
|----------------------|------------------|------------------|-----------------------|---------|------------------|------------|------------------|-------------------|------------|----------|--------------|------|
| МВ | Sample ID: VL150 | 609-2M | | | U | nits: MG/K | G | Analysi | s Date: | 6/9/2015 | 12:53 | |
| Client ID: | | Run II | D: VL150609- 2 | 2A | | | | Prep Date: 6/9/2 | 2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | | ND | 0.25 | | | | | | | | | |
| TOLUENE | | ND | 0.25 | | | | | | | | | |
| ETHYLBEN | ZENE | ND | 0.25 | | | | | | | | | |
| M+P-XYLEN | IE | ND | 0.25 | | | | | | | | | |
| O-XYLENE | | ND | 0.25 | | | | | | | | | |
| TOTAL XYL | ENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOF | LUOROMETHANE | 2.45 | | 2.5 | | 98 | 61-134 | | | | | |
| Surr: TOLI | UENE-D8 | 2.38 | | 2.5 | | 95 | 57-135 | | | | | |
| Surr: 4- BROMOFLU | JOROBENZENE | 2.44 | | 2.5 | | 98 | 52-151 | | | | | |

The following samples were analyzed in this batch:

1506113-1

QC Page: 5 of 5



Ft. Collins, Colorado LIMS Version: 6.768 Page 1 of 1

Friday, June 26, 2015

Colby Sterling Talon LPE 921 N Bivins Amarillo, TX 79107

Re: ALS Workorder: 1506466

Project Name: Nelson A6/A7 Project Number: 701530.024.01

Dear Mr. Sterling:

One soil sample was received from Talon LPE, on 6/24/2015. The sample was scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Singerely.

Amy R. Wolf

Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmental – Fort Collins | | | | | | |
|----------------------------------|---------------------------------|--|--|--|--|--|
| , LES ETIVITORISTE | | | | | | |
| Accreditation Body | License or Certification Number | | | | | |
| Alaska (AK) | UST-086 | | | | | |
| Alaska (AK) | CO01099 | | | | | |
| Arizona (AZ) | AZ0742 | | | | | |
| California (CA) | 06251CA | | | | | |
| Colorado (CO) | CO01099 | | | | | |
| Connecticut (CT) | PH-0232 | | | | | |
| Florida (FL) | E87914 | | | | | |
| Idaho (ID) | CO01099 | | | | | |
| Kansas (KS) | E-10381 | | | | | |
| Kentucky (KY) | 90137 | | | | | |
| L-A-B (DoD ELAP/ISO 170250) | L2257 | | | | | |
| Maryland (MD) | 285 | | | | | |
| Missouri (MO) | 175 | | | | | |
| Nebraska(NE) | NE-OS-24-13 | | | | | |
| Nevada (NV) | CO000782008A | | | | | |
| New Jersey (NJ) | CO003 | | | | | |
| New York (NY) | 12036 | | | | | |
| North Dakota (ND) | R-057 | | | | | |
| Oklahoma (OK) | 1301 | | | | | |
| Pennsylvania (PA) | 68-03116 | | | | | |
| Tennessee (TN) | 2976 | | | | | |
| Texas (TX) | T104704241 | | | | | |
| Utah (UT) | CO01099 | | | | | |
| Washington (WA) | C1280 | | | | | |



1506466

GC/MS Volatiles:

The sample was analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

GRO:

The sample was analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10

All acceptance criteria were met.

DRO:

The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 1506466 Client Name: Talon LPE

Client Project Name: Nelson A6/A7 Client Project Number: 701530.024.01

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| FS-3@12' | 1506466-1 | | SOIL | 24-Jun-15 | 9:30 |

Date Printed: Friday, June 26, 2015

ALS Laboratory Group

Chain-of-Custody

| 225 TF: | 225 Conwnerce Drive, Fort Collins, Colorado 80524 TF: (900) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522 | z, | | Form 202r8 | 16 | 1200th | ر پ پ |
|---------------------------------------|---|-----------------------------|--|---------------------------|--------------|-----------------|------------------|
| (ALS) | | SAMPLER | TF Rose | DATE 6.24/5 | PAGE | , o / | |
| PROJECT NAME | 160 AC. 147 | SITE ID | | TURNAROUND 24 hr | DISPOSAL By | By Lab or Retur | Return to Client |
| PROJECT No. | 72.0 | EDD FORMAT | | | | | |
| | | PURCHASE ORDER | | | | | |
| COMPANY NAME | Taka 11.PE | BILL TO COMPANY | Whither | | | | |
| SEND REPORT TO | 3/1/2/2/20 | INVOICE ATTIN TO | Kylo Thereand | | | | |
| ADDRESS | 1811 F. M. How | ADDRESS | 6 | | | | |
| CITY/STATE/ZIP | 1 30119 | CITY / STATE / ZIP | | | | | |
| PHONE | 18-63 | PHONE | | | | | |
| FAX | | FAX | | | | | |
| E-MAIL | Cotoling & tella langua | E-MAII. | 4.16. | | | | - |
|) | <i>'</i> | | 7 | Ø 2 | | | |
| Lab ID | Field ID | Matrix Samp | Sample Sample # Pres. QC | <u>X</u> / | | | |
| | | | | २१ १ ३ १ | | | |
| | FS.2 3 12' | (%2%) | 1038 / | XX | | | |
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| | | | | | | | |
| Time Zone (Circle): EST CST (MSR, PST | | W bil NS = non-soit solid W | Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter | | | | |
| For metals or anions | É | | | SIGNATURE | PRINTED NAME | DATE | TIME |
| רטו וווסומום כו מוויאייי | 9) please seem miniger | | | | , , | + | 1 |

For metals or anions, please detail analytes below.

| Comments: | | | | | | 8 | QC PACKAGE (check below) | ck below) |
|-------------------|--------|--------|---------|--------|---|--------------|--------------------------|---------------------------------------|
| | _ | | | | | l <u>.</u> . | LEVELII | LEVEL II (Standard QC) |
| | | | | | | L | LEVELIII | LEVEL III (Std QC + forms) |
| - 5 | | | | | | | LEVEL IV | EVEL IV (Std QC + forms + tw data) |
| of | | | | | | | | |
| Preservative Key: | 를 다 | 2-HN03 | 3-H2SO4 | 4-NaOH | 1-HC! 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 | 7-Other | 8-4 degrees | 3 9-5035 |

| July be CTelmble | <u> </u> | SIGNATURE | PRINTED NAME | DATE | TIME |
|--|-----------------|-----------|--------------|---------|------|
| W Delin Le (| RELINQUISHED BY | the V | TI Guisil | 6.24.15 | 1912 |
| RELINQUISHED BY RECINQUISHED BY RECINCUED BY | RECEIVED BY | ? (2) | CTCIMBIE | 5-4-6 | 7 7 |
| RECEIVED BY RECEIVED BY | RELINQUISHED BY | | | | |
| RELINQUISHED BY | RECEIVED BY | | | | |
| RECEIVED BY | RELINQUISHED BY | | | | |
| | RECEIVED BY | | | | |

A

ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

| Client: TRIDN Workorder No: 150 | 674 | | |
|---|-------------|---------|------|
| Project Manager: Aw Initials: Cb 1 | Date: | 4-24 | -15 |
| Does this project require any special handling in addition to standard ALS procedures? | | YES | (NO) |
| 2. Are custody seals on shipping containers intact? | NONE | YES | NO |
| 3. Are Custody seals on sample containers intact? | NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | (YES) | NO |
| 5. Are the COC and bottle labels complete and legible? | | (YES) | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | DROP OFF | YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | N/A | YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? | N/A) | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | | (YES) | NO |
| Were all samples placed in the proper containers for the requested analyses? | | (YES | NO |
| 12. Are all samples within holding times for the requested analyses? | | (YES) | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | | (YES) | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: < green pea > green pea | N/A) | YES | NO |
| 15. Do any water samples contain sediment? Amount of sediment: dusting moderate heavy | N/A | YES | NO |
| 16. Were the samples shipped on ice? | | YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4 | RAD ONLY | YES | (NO) |
| Cooler #: Temperature (°C): ψ, χ ⊕ No. of custody seals on cooler: DOT Survey/Acceptance Information External μR/hr reading: Background μR/hr reading: Were external μR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO (NA) (If no, see Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EX Delivered Same day as collected. | KCEPT #1 A | ND #16. | |
| If applicable, was the client contacted? YES / NO / A Contact: Project Manager Signature / Date: | Date/Ti | me: | |

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 26-Jun-15

 Project:
 701530.024.01 Nelson A6/A7
 Work Order:
 1506466

 Sample ID:
 FS-3@12'
 Lab ID:
 1506466-1

 Legal Location:
 Matrix:
 SOIL

Collection Date: 6/24/2015 09:30 Percent Moisture: 13.0

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 6/25/2015 | PrepBy: DMS |
| Diesel Range Organics | ND | 5.7 | MG/KG | 1 | 6/25/2015 18:32 |
| Surr: O-TERPHENYL | 98 | 53-116 | %REC | 1 | 6/25/2015 18:32 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 6/25/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.58 | MG/KG | 1 | 6/25/2015 10:09 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 103 | 76-126 | %REC | 1 | 6/25/2015 10:09 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 6/24/2015 | PrepBy: SDW |
| BENZENE | 0.02 | 0.0051 | MG/KG | 1 | 6/24/2015 22:02 |
| TOLUENE | 0.063 | 0.0051 | MG/KG | 1 | 6/24/2015 22:02 |
| ETHYLBENZENE | 0.0092 | 0.0051 | MG/KG | 1 | 6/24/2015 22:02 |
| M+P-XYLENE | 0.046 | 0.0051 | MG/KG | 1 | 6/24/2015 22:02 |
| O-XYLENE | 0.023 | 0.0051 | MG/KG | 1 | 6/24/2015 22:02 |
| TOTAL XYLENES | 0.069 | 0.005 | MG/KG | 1 | 6/24/2015 22:02 |
| Surr: DIBROMOFLUOROMETHANE | 94 | 61-134 | %REC | 1 | 6/24/2015 22:02 |
| Surr: TOLUENE-D8 | 102 | 57-135 | %REC | 1 | 6/24/2015 22:02 |
| Surr: 4-BROMOFLUOROBENZENE | 94 | 52-151 | %REC | 1 | 6/24/2015 22:02 |

AR Page 1 of 2 7 of 11

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 26-Jun-15

Project: 701530.024.01 Nelson A6/A7 **Work Order:** 1506466

Sample ID: FS-3@12'
Legal Location:
Lab ID: 1506466-1
Matrix: SOIL

Collection Date: 6/24/2015 09:30 Percent Moisture: 13.0

Report Dilution

Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.

E - Analyte concentration exceeds the upper level of the calibration range.

J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).

A - A tentatively identified compound is a suspected aldol-condensation product.

X - The analyte was diluted below an accurate quantitation level.

* - The spike recovery is equal to or outside the control criteria used.

+ - The relative percent difference (RPD) equals or exceeds the control criteria.

G - A pattern resembling gasoline was detected in this sample.

D - A pattern resembling diesel was detected in this sample.

M - A pattern resembling motor oil was detected in this sample.

C - A pattern resembling crude oil was detected in this sample.

4 - A pattern resembling JP-4 was detected in this sample.

5 - A pattern resembling JP-5 was detected in this sample.

H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.

L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.

Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:

- gasoline - JP-8

- diesel

- mineral spirits

- motor oil

- Stoddard solvent

- bunker C

AR Page 2 of 2 8 of 11

Client: Talon LPE Work Order: 1506466

Project: 701530.024.01 Nelson A6/A7

Date: 6/26/2015 11:48

QC BATCH REPORT

| Batch ID: HC150625-61-1 Insti | rument ID: FU | IELS-1 | | Method: SV | V8015 | | | | | | |
|--------------------------------------|---------------|----------------------|---------|------------------|------------|------------------|-----------------------|------------|----------|--------------|------|
| LCS Sample ID: HC150625-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/25/201 | 5 09:26 | |
| Client ID: | Run II | D: HC150625 - | 6A | | | Р | rep Date: 6/25 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 2.12 | 0.5 | 2.5 | | 85 | 79-118 | | | | 20 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.495 | | 0.5 | | 99 | 76-126 | | | | | |
| LCSD Sample ID: HC150625-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/25/201 | 5 15:02 | |
| Client ID: | Run II | D: HC150625 - | 6A | | | Р | rep Date: 6/25 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 2.26 | 0.5 | 2.5 | | 90 | 79-118 | | 2.12 | 2 6 | 20 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.533 | | 0.5 | | 107 | 76-126 | | | 7 | | |
| MB Sample ID: HC150625-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/25/201 | 5 09:48 | |
| Client ID: | Run II | D: HC150625 - | 6A | | | Р | rep Date: 6/25 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.43 | | 0.5 | | 86 | 76-126 | | | | | |
| MS Sample ID: 1506466-1 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/25/201 | 5 10:30 | |
| Client ID: FS-3@12' | Run II | D: HC150625 - | 6A | | | Р | rep Date: 6/25 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 4.63 | 0.537 | 5.37 | 0.58 | 82 | 79-118 | | | | 40 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.598 | | 0.537 | | 111 | 76-126 | | | | | |
| MSD Sample ID: 1506466-1 | | | | Ur | nits: MG/K | G | Analysi | s Date: | 6/25/201 | 5 10:51 | |
| Client ID: FS-3@12' | Run II | D: HC150625 - | 6A | | | Р | rep Date: 6/25 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RANGE ORGANICS | 5.45 | 0.528 | 5.28 | 0.58 | 3 99 | 79-118 | | 4.63 | 3 16 | 40 | |
| | 0.608 | | 0.528 | | | 76-126 | | | 2 | | |

QC Page: 1 of 3

Client: Talon LPE Work Order: 1506466

Project: 701530.024.01 Nelson A6/A7

| Batch ID: H | IC150625-111-1 | Instrument ID: FU | ELS-1 | | Method: | SW8015M | | | | | | |
|--------------|----------------------|-------------------|----------------------|---------|------------------|--------------------|------------------|------------------------|------------|----------|--------------|------|
| LCS | Sample ID: HC150625- | 111 | | | Į | Units: MG/K | G | Analysi | s Date: | 6/25/201 | 15 17:57 | |
| Client ID: | | Run II | D: HC150625 - | ·8A | | | ı | Prep Date: 6/25 | /2015 | DF: | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range | e Organics | 134 | 5 | 125 | | 108 | 76-124 | | | | 20 | |
| Surr: O-TE | RPHENYL | 5.31 | | 6.25 | | 85 | 53-116 | | | | | |
| МВ | Sample ID: HC150625- | 111 | | | Į | Units: MG/K | G | Analysi | s Date: | 6/25/201 | 15 17:21 | |
| Client ID: | | Run II | D: HC150625 - | ·8A | | | ı | Prep Date: 6/25 | /2015 | DF: | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range | e Organics | ND | 5 | | | | | | | | | |
| | | | | | | | EO 440 | | | | | |
| Surr: O-TE | RPHENYL | 5.61 | | 6.25 | | 90 | 53-116 | | | | | |

QC Page: 2 of 3

Client: Talon LPE
Work Order: 1506466

Project: 701530.024.01 Nelson A6/A7

| Batch ID: VL150624-2-2 | Instrument ID: HP | V1 | | Method: S | W8260 | | | | | | |
|---------------------------------------|-------------------|-----------------------|---------|------------------|------------|------------------|----------------------|------------|---------|--------------|------|
| LCS Sample ID: VL1506 | 24-2 | | | U | nits: MG/K | G | Analysi | s Date: 6 | /24/201 | 5 11:23 | |
| Client ID: | Run II | D: VL150624- 2 | 2A | | | Pr | ep Date: 6/24 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0369 | 0.005 | | | | 73-126 | | | | 20 | |
| TOLUENE | 0.0303 | 0.005 | 0.04 | | 92 103 | 73-120 | | | | 30 | |
| ETHYLBENZENE | 0.0407 | 0.005 | 0.04 | | 103 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0844 | 0.005 | 0.04 | | 102 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0426 | 0.005 | 0.08 | | 106 | 79-126 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.048 | 0.003 | 0.04 | | 96 | 61-134 | | | | 30 | |
| Surr: TOLUENE-D8 | 0.0505 | | 0.05 | | 101 | 57-135 | | | | | |
| Surr: 4- | 0.0478 | | 0.05 | | 96 | 52-151 | | | | | |
| BROMOFLUOROBENZENE | | | | | | | | | | | |
| LCSD Sample ID: VL1506 | 24-2 | | | U | nits: MG/K | G | Analysi | s Date: 6 | /24/201 | 15 11:45 | |
| Client ID: | Run II | D: VL150624- 2 | 2A | | | Pr | ep Date: 6/24 | /2015 | DF: | 1 | |
| Analyta | Result | Poportl imit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Analyte | | ReportLimit | SFR Vai | | 76KEC | | | | INI D | | Quai |
| BENZENE | 0.0305 | 0.005 | 0.04 | | 76 | 73-126 | | 0.0369 | 19 | 30 | |
| TOLUENE | 0.0346 | 0.005 | 0.04 | | 86 | 71-127 | | 0.0414 | 18 | 30 | |
| ETHYLBENZENE | 0.0339 | 0.005 | 0.04 | | 85 | 74-127 | | 0.0407 | 18 | 30 | |
| M+P-XYLENE | 0.0694 | 0.005 | 0.08 | | 87 | 79-126 | | 0.0844 | 20 | 30 | |
| O-XYLENE | 0.0349 | 0.005 | 0.04 | | 87 | 77-125 | | 0.0426 | 20 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0481 | | 0.05 | | 96 | 61-134 | | | 0 | | |
| Surr: TOLUENE-D8 | 0.0501 | | 0.05 | | 100 | 57-135 | | | 1 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0468 | | 0.05 | | 94 | 52-151 | | | 2 | | |
| MB Sample ID: VL1506 | 24-2 | | | U | nits: MG/K | G | Analysi | s Date: 6 | /24/201 | 15 12:08 | |
| Client ID: | Run II | D: VL150624- 2 | 2A | | | Pr | ep Date: 6/24 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: | 0.0454 | | 0.05 | | 91 | 61-134 | | | | | |
| DIBROMOFLUOROMETHANE Surr: TOLUENE-D8 | 0.0511 | | 0.05 | | 100 | 57 125 | | | | | |
| Surr: 4- | 0.0468 | | 0.05 | | 102 94 | 57-135 52-151 | | | | | |
| BROMOFLUOROBENZENE | | | | | | | | | | | |

ALS Environmental -- FC

QC Page: 3 of 3



Ft. Collins, Colorado LIMS Version: 6,772 Page 1 of 1

Monday, July 06, 2015

Colby Sterling Talon LPE 921 N Bivins Amarillo, TX 79107

Re: ALS Workorder: 1507015

Project Name: Nelson A6/A7 Project Number: 701530.026.02

Dear Mr. Sterling:

Two soil samples were received from Talon LPE, on 7/1/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Simonaly

ALS/Enziror(men: Amy R. Wolf

Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environme | ntal – Fort Collins |
|-----------------------------|---------------------------------|
| | |
| Accreditation Body | License or Certification Number |
| Alaska (AK) | UST-086 |
| Alaska (AK) | CO01099 |
| Arizona (AZ) | AZ0742 |
| California (CA) | 06251CA |
| Colorado (CO) | CO01099 |
| Connecticut (CT) | PH-0232 |
| Florida (FL) | E87914 |
| Idaho (ID) | CO01099 |
| Kansas (KS) | E-10381 |
| Kentucky (KY) | 90137 |
| L-A-B (DoD ELAP/ISO 170250) | L2257 |
| Maryland (MD) | 285 |
| Missouri (MO) | 175 |
| Nebraska(NE) | NE-OS-24-13 |
| Nevada (NV) | CO000782008A |
| New York (NY) | 12036 |
| North Dakota (ND) | R-057 |
| Oklahoma (OK) | 1301 |
| Pennsylvania (PA) | 68-03116 |
| Tennessee (TN) | 2976 |
| Texas (TX) | T104704241 |
| Utah (UT) | CO01099 |
| Washington (WA) | C1280 |



1507015

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All matrix spike and matrix spike duplicate recoveries and RPDs were within acceptance criteria with the following exceptions:

| Spiked Compound | QC Sample | Direction |
|-----------------|-----------|-----------|
| Benzene | MS/MSD | Low |
| Ethylbenzene | MS/MSD | Low |
| M+P-Xylene | MS | Low |
| O-Xylene | MS | Low |

The recoveries of these compounds in the laboratory control sample and laboratory control sample duplicate were within control limits, which suggest the outliers in the matrix spikes may have been due to matrix effects. No further action was taken.

All remaining acceptance criteria were met.

GRO:

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10.

All matrix spike and matrix spike duplicate recoveries and RPDs were within the acceptance criteria with the following exceptions:

| Spiked Compound | QC Sample | Direction |
|-------------------------|-----------|-----------|
| Gasoline range organics | MS/MSD | Low |

The recoveries for gasoline range organics in the laboratory control sample and laboratory control sample duplicate were within control limits, which suggest the outlier in the matrix spikes may have been due to matrix effects. No further action was taken. Laboratory control sample and laboratory control sample duplicate results have been included.

All remaining acceptance criteria were met.



DRO:

The samples were analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 1507015 Client Name: Talon LPE

Client Project Name: Nelson A6/A7 Client Project Number: 701530.026.02

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| Stockpile-A | 1507015-1 | | SOIL | 01-Jul-15 | 13:00 |
| Stockpile-B | 1507015-2 | _ | SOIL | 01-Jul-15 | 13:05 |

Date Printed: Monday, July 06, 2015

| Labo | |
|------|--|
| ALS | |
| | |

SEND REPORT TO

PHONE FAX EMAIL

LabD

()

PROJECT No.

ALS

ratory Group

Chain-of-Custody

Return to Client 5102051 By Lab or WORKORDER # PAGE DISPOSAL Form 202r8 DATE TURNAROUND 70KI XX 039/ **'**< X ဗ္ဗ _ Sample Time 1265 1300 Sample Date 7.1-15 BILL TO COMPANY SAMPLER STEID INVOICE ATTN TO EDD FORMAT PURCHASE ORDER ADDRESS FAX E-MAIL. PHONE CITY / STATE / ZIP Matrix Ŕ 225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (870) 490-1511 FX: (970) 490-1522 St 570-818-5330 PROJECT NAME 72/530 . 026 . 0 2 4 Field ID CITY ISTATE 12P FT CHINS (18) COMPANY NAME /a/6 ADDRESS 1811

"Time Zone (Circle): EST CST MST PST Matrix 0 = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = fitter

For metals or anions, please detail analytes below.

| Comments: | | | | | | 8 | PACKAGE | QC PACKAGE (check below) |
|-------------------|----------|--------|---------|--------|----------|----------|-----------|---|
| | | | | | | | Ē | LEVEL II (Standard QC) |
| | | | | | | L | E. | LEVEL III (Std QC + forms) |
| (| | | | | | <u> </u> | LEV | LEVEL IV (Std QC + forms + rew data) |
| 5.0 | | | | | | L | | |
| Preservative Key: | 1. HC | 2-HN03 | 3-H2SO4 | 4-NaOH | 5-NaHSO4 | 7-Other | 8-4 degre | 1-HCi 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 |

| | SIGNATURE | PRINTED NAME | DATE | # |
|-----------------|-----------|--------------|-------|-------|
| RELINQUISHED BY | -100 - if | The Sel | 7/-/2 | 11.48 |
| RECEIVED BY | C Minish | C TINDS | フートマー | 10 to |
| RELINQUISHED BY | | | | + |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |
| | | | | |



ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

| Client: 1Aloh Workorder No: 15 070 |) 15 | _ |
|--|---------|------|
| Project Manager: TE Initials: COT Date: | 7-1- | :15 |
| Does this project require any special handling in addition to standard ALS procedures? | YES | (NO) |
| 2. Are custody seals on shipping containers intact? | YES | NO |
| 3. Are Custody seals on sample containers intact? NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | YES | NO |
| 5. Are the COC and bottle labels complete and legible? | YE) | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | YES | NO |
| 7. Were airbills / shipping documents present and/or removable? | YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? N/A | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | (YES) | NO |
| Were all samples placed in the proper containers for the requested analyses? | (YES) | NO |
| 12. Are all samples within holding times for the requested analyses? | (YES) | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: < green pea > green pea | YES | NO |
| 15. Do any water samples contain sediment? Amount of sediment: dusting moderate heavy | YES | NO |
| 16. Were the samples shipped on ice? | YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? R gun used*: #2 #4 ONLY | YES | NO |
| Cooler #: | | |
| Temperature (°C): 0. 6 | | |
| No. of custody seals on cooler: | | |
| DOT Survey/ | | |
| Information | | |
| Background μR/hr reading: MA | | |
| Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO /NA If no, see Form 008.) | ND #16 | |
| Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 A | ND #10: | |
| | | |
| | | |
| | | |
| | | |
| | - | |
| | | |
| If applicable, was the client contacted? YES / NO / NA Coptact: Date/Ti | me: | |
| 1 NI 7 10/16 | | |
| Project Manager Signature / Date: | | |

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 06-Jul-15

 Project:
 701530.026.02 Nelson A6/A7
 Work Order:
 1507015

 Sample ID:
 Stockpile-A
 Lab ID:
 1507015-1

Legal Location: Matrix: SOIL
Collection Date: 7/1/2015 13:00 Percent Moisture: 4.3

Report **Dilution Analyses** Result **Date Analyzed Oual** Limit Units **Factor Diesel Range Organics** SW8015M Prep Date: 7/2/2015 PrepBy: JFN DM **Diesel Range Organics** 60 5.1 MG/KG 7/2/2015 14:31 Surr: O-TERPHENYL 90 49-114 %REC 7/2/2015 14:31 **Gasoline Range Organics** SW8015 Prep Date: 7/2/2015 PrepBy: JFN **GASOLINE RANGE ORGANICS** 0.43 MG/KG 0.46 7/2/2015 11:37 Surr: 2,3,4-TRIFLUOROTOLUENE 7/2/2015 11:37 101 76-126 %REC 1 **GC/MS Volatiles** SW8260 Prep Date: 7/2/2015 PrepBy: SDW **BENZENE** ND 0.005 MG/KG 7/2/2015 14:38 1 **TOLUENE** ND 0.005 MG/KG 1 7/2/2015 14:38 **ETHYLBENZENE** ND 0.005 MG/KG 1 7/2/2015 14:38 M+P-XYLENE ND 0.005 MG/KG 7/2/2015 14:38 O-XYLENE ND 0.005 MG/KG 7/2/2015 14:38 1 **TOTAL XYLENES** ND 0.005 MG/KG 7/2/2015 14:38 1 61-134 %REC Surr: DIBROMOFLUOROMETHANE 99 1 7/2/2015 14:38 Surr: TOLUENE-D8 98 57-135 %REC 7/2/2015 14:38 1 Surr: 4-BROMOFLUOROBENZENE 94 52-151 %REC 1 7/2/2015 14:38

AR Page 1 of 3 8 of 15

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 06-Jul-15

 Project:
 701530.026.02 Nelson A6/A7
 Work Order:
 1507015

 Sample ID:
 Stockpile-B
 Lab ID:
 1507015-2

Legal Location:Matrix:SOILCollection Date:7/1/2015 13:05Percent Moisture:4.4

Report **Dilution Analyses** Result **Date Analyzed Oual** Limit Units **Factor Diesel Range Organics** SW8015M Prep Date: 7/2/2015 PrepBy: JFN DM **Diesel Range Organics** 61 5.1 MG/KG 7/2/2015 15:02 Surr: O-TERPHENYL 91 49-114 %REC 7/2/2015 15:02 **Gasoline Range Organics** SW8015 Prep Date: 7/2/2015 PrepBy: JFN **GASOLINE RANGE ORGANICS** 0.37 MG/KG 0.4 7/2/2015 11:58 Surr: 2,3,4-TRIFLUOROTOLUENE 7/2/2015 11:58 98 76-126 %REC 1 **GC/MS Volatiles** SW8260 Prep Date: 7/2/2015 PrepBy: SDW BENZENE ND 0.0047 MG/KG 7/2/2015 15:02 1 **TOLUENE** ND 0.0047 MG/KG 1 7/2/2015 15:02 **ETHYLBENZENE** ND 0.0047 MG/KG 7/2/2015 15:02 1 M+P-XYLENE ND 0.0047 MG/KG 7/2/2015 15:02 O-XYLENE ND 0.0047 MG/KG 7/2/2015 15:02 1 **TOTAL XYLENES** ND 0.005 MG/KG 7/2/2015 15:02 1 Surr: DIBROMOFLUOROMETHANE 99 61-134 %REC 1 7/2/2015 15:02 Surr: TOLUENE-D8 98 57-135 %REC 7/2/2015 15:02 1 7/2/2015 15:02 Surr: 4-BROMOFLUOROBENZENE 95 52-151 %REC 1

AR Page 2 of 3 9 of 15

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 06-Jul-15

Project: 701530.026.02 Nelson A6/A7 **Work Order:** 1507015

Sample ID: Stockpile-B

Lab ID: 1507015-2

Legal Location: Matrix: SOIL

Collection Date: 7/1/2015 13:05 Percent Moisture: 4.4

Report Dilution
Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

- B Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.
- E Analyte concentration exceeds the upper level of the calibration range.
- J Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).
- A A tentatively identified compound is a suspected aldol-condensation product.
- X The analyte was diluted below an accurate quantitation level.
- * The spike recovery is equal to or outside the control criteria used.
- + The relative percent difference (RPD) equals or exceeds the control criteria.
- G A pattern resembling gasoline was detected in this sample.
- D A pattern resembling diesel was detected in this sample.
- M A pattern resembling motor oil was detected in this sample.
- C A pattern resembling crude oil was detected in this sample.
- 4 A pattern resembling JP-4 was detected in this sample.
- 5 A pattern resembling JP-5 was detected in this sample.
- H Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:
- gasoline
- JP-8 - diesel
- mineral spirits
- motor oil
- Stoddard solvent
- bunker C

AR Page 3 of 3 10 of 15

Client: Talon LPE
Work Order: 1507015

Project: 701530.026.02 Nelson A6/A7

Date: 7/6/2015 4:23:3

QC BATCH REPORT

| Batch ID: HO | C150702-61-1 Instru | ument ID FU | ELS-1 | | Method: SV | V8015 | | | | | | |
|----------------------------|--------------------------------|-------------|----------------------|---------|------------------|-----------|------------------|------------------------|------------|----------|--------------|------|
| LCS | Sample ID: HC150702-61 | | | | Un | its: MG/K | G | Analysi | is Date: | 7/2/2015 | 10:33 | |
| Client ID: | | Run II | D: HC150702- | 6A | | | Pi | rep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RA | ANGE ORGANICS | 2.32 | 0.5 | 2.5 | | 93 | 79-118 | | | | 20 | |
| Surr: 2,3,4- TRIFLUOROT | TOLUENE | 0.547 | | 0.5 | | 109 | 76-126 | | | | | |
| LCSD | Sample ID: HC150702-61 | | | | Un | its: MG/K | G | Analysi | is Date: | 7/2/2015 | 17:34 | |
| Client ID: | | Run II | D: HC150702- | 6A | | | Pi | rep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RA | ANGE ORGANICS | 2.55 | 0.5 | 2.5 | | 102 | 79-118 | | 2.3 | 2 9 | 20 | |
| Surr: 2,3,4- TRIFLUOROT | FOLUENE | 0.585 | | 0.5 | | 117 | 76-126 | | | 7 | | |
| МВ | Sample ID: HC150702-61 | | | | Un | its: MG/K | G | Analysi | is Date: | 7/2/2015 | 10:55 | |
| Client ID: | | Run II | D: HC150702 - | 6A | | | P | rep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RA | ANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4- TRIFLUOROT | ΓOLUENE | 0.521 | | 0.5 | | 104 | 76-126 | | | | | |
| МВ | Sample ID: HC150702-61M | | | | Un | its: MG/K | G | Analysi | is Date: | 7/2/2015 | 16:49 | |
| Client ID: | | Run II | D: HC150702- | 6A | | | Pi | rep Date: 7/2/2 | 2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RA | ANGE ORGANICS | ND | 5 | | | | | | | | | |
| Surr: 2,3,4- TRIFLUOROT | FOLUENE | 5.51 | | 5 | | 110 | 76-126 | | | | | |
| MS | Sample ID: 1507015-2 | | | | Un | its: MG/K | G | Analysi | is Date: | 7/2/2015 | 12:20 | |
| Client ID: St | tockpile-B | Run II | D: HC150702 - | 6A | | | Pi | rep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE RA | ANGE ORGANICS | 1.64 | 0.385 | 1.92 | 0.4 | 65 | 79-118 | | | | 40 | * |
| Surr: 2,3,4- | FOLUENE | 0.388 | | 0.385 | | 101 | 76-126 | | | | | |

QC Page: 1 of 5

Client: Talon LPE
Work Order: 1507015

Project:

701530.026.02 Nelson A6/A7

QC BATCH REPORT

| Batch ID: HC150702-61-1 Instrument ID FUI | | UELS-1 | | Method: SW | 8015 | | | | | | |
|---|-----------|----------------------|---------|------------------|---------|------------------|-------------------------|------------|---------|--------------|-----|
| MSD Sample ID: | 1507015-2 | | | Unit | s: MG/K | G | Analysi | s Date: 7 | /2/2015 | 12:41 | |
| Client ID: Stockpile-B | Run | ID: HC150702- | 6A | | | ļ | Prep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE RANGE ORGANI | CS 1.5 | 5 0.363 | 1.82 | 0.4 | 63 | 79-118 | | 1.64 | 6 | 40 | * |
| Surr: 2,3,4- TRIFLUOROTOLUENE | 0.37 | 7 | 0.363 | | 104 | 76-126 | | | 3 | | |

1007010 1

QC Page: 2 of 5

Client: Talon LPE
Work Order: 1507015

Project: 701530.026.02 Nelson A6/A7

| LCS | Sample ID: | HC150702-100 | | | | Ui | nits: MG/K | G | Analysi | s Date: | 7/2/2015 | 15:32 | |
|------------------|-------------|--------------|--------|-----------------------|---------|------------------------|-------------------------|--------------------------|-----------------------------------|-------------|------------------------|--------------|------|
| Client ID: | · | | Run II | D: HC150702- 7 | 7A | | | Р | rep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Rang | ge Organics | | 67.4 | 5 | 62.5 | | 108 | 76-124 | | | | 20 | |
| | | | | | | | | | | | | | |
| Surr: O-TE | ERPHENYL | | 5.27 | | 6.25 | | 84 | 49-114 | | | | | |
| Surr: O-TE | | HC150702-100 | 5.27 | | 6.25 | Uı | 84 nits: MG/K | | Analysi | s Date: | 7/2/2015 | 14:00 | |
| | | HC150702-100 | | D: HC150702 -7 | | Uı | | G | Analysi rep Date: 7/2/2 | | 7/2/2015 DF: | | |
| MB | | HC150702-100 | | D: HC150702- 7 | | Ui SPK Ref Value | | G | • | | | | Qual |
| MB Client ID: | Sample ID: | HC150702-100 | Run II | | 7A | SPK Ref | nits: MG/K | G P Control | rep Date: 7/2/2 Decision | 2015 RPD | DF: | 1 RPD | Qual |

QC Page: 3 of 5

Client: Talon LPE Work Order: 1507015

Surr: TOLUENE-D8

Surr: 4-BROMOFLUOROBENZENE

Project: 701530.026.02 Nelson A6/A7

| Project: 701530.026.02 M | Nelson A6/A7 | | | | | | | | | | |
|---------------------------------|-----------------|---------------------------------------|---------------|------------------|--------------------|------------------|-------------------------|------------|----------|--------------|------|
| Batch ID: VL150702-2-1 Ir | nstrument ID HP | V1 | | Method: | SW8260 | | | | | | |
| LCS Sample ID: VL150702-2 | | | | | Units: MG/K | G | Analysi | s Date: 7 | /2/2015 | 13:08 | |
| Client ID: | Run II |): VL150702-2 | 2A | | | F | Prep Date: 7/2/2 | 2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0402 | 0.005 | 0.04 | | 100 | 73-126 | | | | 30 | |
| TOLUENE | 0.046 | 0.005 | 0.04 | | 115 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0452 | 0.005 | 0.04 | | 113 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0916 | 0.005 | 0.08 | | 115 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0454 | 0.005 | 0.04 | | 113 | 77-125 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0484 | | 0.05 | | 97 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0516 | | 0.05 | | 103 | 57-135 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0482 | | 0.05 | | 96 | 52-151 | | | | | |
| LCSD Sample ID: VL150702-2 | | | | | Units: MG/K | G | Analysi | is Date: 7 | //2/2015 | 13:30 | |
| Client ID: | Run II |): VL150702-2 | 2A | | | F | Prep Date: 7/2/2 | 2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0366 | 0.005 | 0.04 | | 91 | 73-126 | | 0.0402 | 9 | 30 | |
| TOLUENE | 0.0398 | 0.005 | 0.04 | | 99 | 71-127 | | 0.046 | 15 | 30 | |
| ETHYLBENZENE | 0.0393 | 0.005 | 0.04 | | 98 | 74-127 | | 0.0452 | 14 | 30 | |
| M+P-XYLENE | 0.0811 | 0.005 | 0.08 | | 101 | 79-126 | | 0.0916 | 12 | 30 | |
| O-XYLENE | 0.0408 | 0.005 | 0.04 | | 102 | 77-125 | | 0.0454 | 11 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0484 | | 0.05 | | 97 | 61-134 | | | 0 | | |
| Surr: TOLUENE-D8 | 0.0495 | | 0.05 | | 99 | 57-135 | | | 4 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0466 | | 0.05 | | 93 | 52-151 | | | 3 | | |
| MB Sample ID: VL150702-2 | | | | | Units: MG/K | G | Analysi | is Date: 7 | /2/2015 | 13:52 | |
| Client ID: | Run II |): VL150702-2 | 2A | | | F | Prep Date: 7/2/2 | 2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| | ND | · · · · · · · · · · · · · · · · · · · | · · · · · · · | | , | | | | | | |
| TOLUENE TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: | 0.0464 | 0.003 | 0.05 | | 93 | 61-134 | | | | | |
| DIBROMOFLUOROMETHANE | | | | | | | | | | | |

QC Page: 4 of 5

100

96

57-135

52-151

0.05

0.05

0.0498

0.0482

Client: Talon LPE Work Order: 1507015

Project: 701530.026.02 Nelson A6/A7

| | Instrument ID HP | V1 | | Method: SW | 8260 | | | | | | |
|--|--|---|---|--|------------------------------------|--|-----------------------------------|--|-------------------------|---------------------------|---------------|
| MS Sample ID: 1507015-2 | | | | Unit | s: MG/K | G | Analysi | s Date: 7 | /2/2015 | 15:27 | |
| Client ID: Stockpile-B | Run II | D: VL150702-2 | 2A | | | Pr | ep Date: 7/2/2 | 2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| BENZENE | 0.0278 | 0.00488 | 0.039 | 0.0047 | 71 | 73-126 | | | | 30 | * |
| TOLUENE | 0.0303 | 0.00488 | 0.039 | 0.0047 | 78 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0281 | 0.00488 | 0.039 | 0.0047 | 72 | 74-127 | | | | 30 | * |
| M+P-XYLENE | 0.06 | 0.00488 | 0.0781 | 0.0047 | 77 | 79-126 | | | | 30 | * |
| O-XYLENE | 0.0291 | 0.00488 | 0.039 | 0.0047 | 75 | 77-125 | | | | 30 | * |
| Surr: DIBROMOFLUOROMETHANE | 0.0475 | | 0.0488 | | 97 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.048 | | 0.0488 | | 98 | 57-135 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0469 | | 0.0488 | | 96 | 52-151 | | | | | |
| MSD Sample ID: 1507015-2 | | | | | | ^ | A 1 ' | | | | |
| | | | | Unit | s: MG/K | G | Anaiysi | s Date: 7 | /2/2015 | 15:50 | |
| Client ID: Stockpile-B | Run II | D: VL150702-2 | 2 A | Unit | s: MG/K | _ | Anaiysi ep Date: 7/2/2 | | 7/2/2015 DF: | | |
| • | Run II Result | D: VL150702-2 ReportLimit | SPK Val | Unit SPK Ref Value | s: MG/K %REC | | • | | | | Qua |
| Client ID: Stockpile-B Analyte | | | | SPK Ref | | Pr | ep Date: 7/2/2 Decision | 2 015 RPD | DF: | 1 RPD | Qua * |
| Client ID: Stockpile-B Analyte BENZENE | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Pr Control Limit | ep Date: 7/2/2 Decision | RPD Ref | DF: | RPD Limit | Qua * |
| Client ID: Stockpile-B | Result 0.0252 | ReportLimit 0.0046 | SPK Val 0.0368 | SPK Ref Value 0.0047 | %REC 69 | Pr Control Limit 73-126 | ep Date: 7/2/2 Decision | 2015 RPD Ref 0.0278 | DF: | RPD Limit | Qua * |
| Client ID: Stockpile-B Analyte BENZENE TOLUENE ETHYLBENZENE | Result 0.0252 0.0323 | ReportLimit 0.0046 0.0046 | SPK Val 0.0368 0.0368 | SPK Ref Value 0.0047 0.0047 | %REC 69 88 | Pr Control Limit 73-126 71-127 | ep Date: 7/2/2 Decision | RPD Ref 0.0278 0.0303 | DF: RPD 10 6 | RPD Limit | Qua * |
| Client ID: Stockpile-B Analyte BENZENE TOLUENE ETHYLBENZENE M+P-XYLENE | Result 0.0252 0.0323 0.0258 | ReportLimit 0.0046 0.0046 0.0046 | SPK Val 0.0368 0.0368 0.0368 | SPK Ref Value 0.0047 0.0047 | %REC 69 88 70 | Pr Control Limit 73-126 71-127 74-127 | ep Date: 7/2/2 Decision | RPD Ref 0.0278 0.0303 0.0281 | DF: RPD 10 6 | RPD Limit 30 30 30 | Qua * |
| Client ID: Stockpile-B Analyte BENZENE TOLUENE ETHYLBENZENE M+P-XYLENE O-XYLENE Surr: | Result 0.0252 0.0323 0.0258 0.062 | ReportLimit 0.0046 0.0046 0.0046 0.0046 | SPK Val 0.0368 0.0368 0.0368 0.0735 | SPK Ref Value 0.0047 0.0047 0.0047 | %REC 69 88 70 84 | Pr Control Limit 73-126 71-127 74-127 79-126 | ep Date: 7/2/2 Decision | RPD Ref 0.0278 0.0303 0.0281 0.06 | DF: RPD 10 6 9 3 | RPD Limit 30 30 30 30 30 | Qua * |
| Client ID: Stockpile-B Analyte BENZENE TOLUENE ETHYLBENZENE M+P-XYLENE O-XYLENE | Result 0.0252 0.0323 0.0258 0.062 0.0298 | ReportLimit 0.0046 0.0046 0.0046 0.0046 | SPK Val 0.0368 0.0368 0.0368 0.0735 0.0368 | SPK Ref Value 0.0047 0.0047 0.0047 | %REC 69 88 70 84 81 | Pr Control Limit 73-126 71-127 74-127 79-126 77-125 | ep Date: 7/2/2 Decision | RPD Ref 0.0278 0.0303 0.0281 0.06 | DF: RPD 10 6 9 3 2 | RPD Limit 30 30 30 30 30 | Qua * * |

The following samples were analyzed in this batch:

1507015-1 1507015-2

QC Page: 5 of 5



Ft. Collins, Colorado LIMS Version: 6.785 Page 1 of 1

Tuesday, September 15, 2015

Colby Sterling Talon LPE 921 N Bivins Amarillo, TX 79107

Re: ALS Workorder: 1509119

Project Name: Nelson A6/A7 Project Number: 701530.024.02

Dear Mr. Sterling:

Four soil samples were received from Talon LPE, on 9/8/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely,

Amy R. Wolf

Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environme | ntal – Fort Collins | | | | | | |
|-----------------------------|--|--|--|--|--|--|--|
| , LES ETIVITORIALE | Total Total | | | | | | |
| Accreditation Body | License or Certification Number | | | | | | |
| Alaska (AK) | UST-086 | | | | | | |
| Alaska (AK) | CO01099 | | | | | | |
| Arizona (AZ) | AZ0742 06251CA CO01099 PH-0232 E87914 CO01099 | | | | | | |
| California (CA) | | | | | | | |
| Colorado (CO) | | | | | | | |
| Connecticut (CT) | | | | | | | |
| Florida (FL) | | | | | | | |
| Idaho (ID) | | | | | | | |
| Kansas (KS) | E-10381 | | | | | | |
| Kentucky (KY) | 90137 | | | | | | |
| L-A-B (DoD ELAP/ISO 170250) | L2257 05057 | | | | | | |
| Louisiana (LA) | | | | | | | |
| Maryland (MD) | 285 | | | | | | |
| Missouri (MO) | 175 NE-OS-24-13 | | | | | | |
| Nebraska(NE) | | | | | | | |
| Nevada (NV) | CO000782008A 12036 | | | | | | |
| New York (NY) | | | | | | | |
| North Dakota (ND) | R-057 | | | | | | |
| Oklahoma (OK) | 1301 | | | | | | |
| Pennsylvania (PA) | 68-03116 | | | | | | |
| Tennessee (TN) | 2976 | | | | | | |
| Texas (TX) | T104704241 | | | | | | |
| Utah (UT) | CO01099 | | | | | | |
| Washington (WA) | C1280 | | | | | | |



1509119

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

GRO:

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10

The surrogate recoveries for sample 1509119-2 and -3 were outside control limits (high). Inspection of the chromatograms indicated co-elution of the surrogate peaks with target component peaks, biasing the surrogate results high. No further action was taken

All remaining acceptance criteria were met.

DRO:

The samples were analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 1509119 Client Name: Talon LPE

Client Project Name: Nelson A6/A7 Client Project Number: 701530.024.02

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| SW-1 @ 8' | 1509119-1 | | SOIL | 03-Sep-15 | 10:55 |
| SW-2 @ 8' | 1509119-2 | | SOIL | 03-Sep-15 | 11:20 |
| SW-3 @ 8' | 1509119-3 | | SOIL | 03-Sep-15 | 12:30 |
| SW-4 @ 8' | 1509119-4 | | SOIL | 03-Sep-15 | 11:50 |

Date Printed: Tuesday, September 15, 2015

ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (870) 490-1522

Chain-of-Custody

1509 119 WORKORDER #

Return to Client By Labor PAGE DISPOSAL Form 202r8 SIGNATURE DATE TURNAROUND /5&**9**/080/XLX/ ပ္ပ # Pres. 1 Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter UZ 30 1653 Sample Time 02/ 9-3-15 9.3.15 19.315 Sample Date BILL TO COMPANY ADDRESS PHONE FAX E-MAIL SAMPLER INVOICE ATTN TO EDD FORMAT PURCHASE ORDER CITY / STATE / ZIP Matrix 197 Field ID 701530,027 od SW-3 6 8 PROJECT NAME 1/6/50, AC. SL3-4 & 5' SLJ-7 & PROJECT No. PHONE Ä SEND REPORT TO E-MAIL COMPANY NAME ADDRESS CITY / STATE / ZIP LabID 30

For metals or anions, please detail analytes below.

| Comments: | | | | | | 8 | QC PACKAGE (check below) | : below) |
|---|-------|--------|---------|--------|----------|---------|--------------------------|--------------------------------------|
| | ı | | | | ذ | > | LEVEL 11 (St | LEVEL II (Standard QC) |
| | | | | | | | LEVEL III (S | LEVEL III (Std QC + forms) |
| 5 | | | | | | L., | LEVEL IV (S | LEVEL IV (Std OC + forms + raw data) |
| 5 of | | | | | | L | | |
| Preservative Key: 1-HCI 2-HN03 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 | 1-HCI | 2-HN03 | 3-H2SO4 | 4-NaOH | 5-NaHSO4 | 7-Other | 8-4 degrees C | 9-5035 |

| | SHENATURE | PRINTED NAME | DATE | 3MIT | |
|-----------------|-----------|--------------|--------|--------|--------|
| RELINQUISHED BY | 5-1894 | 1754927 | 1/2/ | 0%0 | ¥ |
| RECEIVED BY | C///mmag | 31 201 J | 51-8-6 | 2/8/15 | হ ঠ |
| RELINQUISHED BY | | | | OPPID | B |
| RECEIVED BY | | | | | |
| RELINQUISHED BY | | | | | |
| RECEIVED BY | | | | : | |



ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

| | Client: TALON Workorder No: 150 91 | 19 | |
|-----|---|----------------|------|
| | Project Manager: MU Initials: CDT Date: 4 | 7-8- | 15 |
| 1. | Does this project require any special handling in addition to standard ALS procedures? | YES | (NO) |
| | Are custody seals on shipping containers intact? | YES | NO |
| 3. | Are Custody seals on sample containers intact? | YES | NO |
| 4. | Is there a COC (Chain-of-Custody) present or other representative documents? | (YES) | NO |
| 5. | Are the COC and bottle labels complete and legible? | YES | NO |
| 6. | Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | YES | NO |
| 7. | Were airbills / shipping documents present and/or removable? | YES | NO |
| 8. | Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) | YES | NO |
| 9. | Are all aqueous non-preserved samples pH 4-9? | YES | NO |
| 10. | Is there sufficient sample for the requested analyses? | YES | NO |
| 11. | Were all samples placed in the proper containers for the requested analyses? (| YES | NO |
| 12. | 2 Are all samples within holding times for the requested analyses? | YES | NO |
| 13. | 3. Were all sample containers received intact? (not broken or leaking, etc.) | (YES) | NO |
| 14. | 4. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: < green pea > green pea | YES | NO |
| 15. | 5. Do any water samples contain sediment? Amount N/A | YES | NO |
| | Amount of sediment: dusting moderateheavy | 1123 | 140 |
| 16 | 6. Were the samples shipped on ice? | YES) | NO |
| 17 | 7. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4 RAD ONLY | (YES) | NO |
| | Cooler #: | | |
| | Temperature (°C): 6.0 | | |
| | No. of custody seals on cooler: | | |
| | DOT Survey/ Acceptance External µR/hr reading: NA | | |
| | Background μR/hr reading: NA | | |
| | Were external μR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO (NA) (If no, see Form 008.) | | |
| A | Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND |) #16 . | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| If | f applicable, was the client contacted? YES / NO (NA) Contact: | : | |
| P | Project Manager Signature / Date: 9815 | | |

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

SAMPLE SUMMARY REPORT

Matrix: SOIL

Date: 15-Sep-15 **Client:** Talon LPE

Project: 701530.024.02 Nelson A6/A7 **Work Order:** 1509119 Sample ID: SW-1 @ 8' **Lab ID:** 1509119-1

Legal Location: Collection Date: 9/3/2015 10:55 **Percent Moisture: 16.1**

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 9/11/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.9 | MG/KG | 1 | 9/11/2015 17:20 |
| Surr: O-TERPHENYL | 91 | 49-114 | %REC | 1 | 9/11/2015 17:20 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 9/10/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.56 | MG/KG | 1 | 9/10/2015 16:57 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 105 | 76-126 | %REC | 1 | 9/10/2015 16:57 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 9/9/2015 | PrepBy: SDW |
| BENZENE | ND | 0.0058 | MG/KG | 1 | 9/9/2015 12:47 |
| TOLUENE | ND | 0.0058 | MG/KG | 1 | 9/9/2015 12:47 |
| ETHYLBENZENE | ND | 0.0058 | MG/KG | 1 | 9/9/2015 12:47 |
| M+P-XYLENE | ND | 0.0058 | MG/KG | 1 | 9/9/2015 12:47 |
| O-XYLENE | ND | 0.0058 | MG/KG | 1 | 9/9/2015 12:47 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 9/9/2015 12:47 |
| Surr: DIBROMOFLUOROMETHANE | 95 | 61-134 | %REC | 1 | 9/9/2015 12:47 |
| Surr: TOLUENE-D8 | 97 | 57-135 | %REC | 1 | 9/9/2015 12:47 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | 52-151 | %REC | 1 | 9/9/2015 12:47 |

AR Page 1 of 5 7 of 16

Legal Location:

SAMPLE SUMMARY REPORT

Matrix: SOIL

Client: Talon LPE Date: 15-Sep-15

 Project:
 701530.024.02 Nelson A6/A7
 Work Order:
 1509119

 Sample ID:
 SW-2 @ 8'
 Lab ID:
 1509119-2

Collection Date: 9/3/2015 11:20 **Percent Moisture:** 9.4

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8 | 8015M | Prep | Date: 9/11/2015 | PrepBy: JFN |
| Diesel Range Organics | 2200 | L4 | 110 | MG/KG | 20 | 9/11/2015 17:51 |
| Surr: O-TERPHENYL | 78 | | 49-114 | %REC | 20 | 9/11/2015 17:51 |
| Gasoline Range Organics | | SW8 | 8015 | Prep | Date: 9/14/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 12000 | ZGH | 220 | MG/KG | 2000 | 9/14/2015 13:37 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 137 | * | 76-126 | %REC | 2000 | 9/14/2015 13:37 |
| GC/MS Volatiles | | SW8 | 3260 | Prep | Date: 9/9/2015 | PrepBy: SDW |
| BENZENE | 30 | | 2.7 | MG/KG | 500 | 9/9/2015 19:42 |
| TOLUENE | 580 | | 27 | MG/KG | 5000 | 9/9/2015 19:17 |
| ETHYLBENZENE | 68 | | 2.7 | MG/KG | 500 | 9/9/2015 19:42 |
| M+P-XYLENE | 560 | | 27 | MG/KG | 5000 | 9/9/2015 19:17 |
| O-XYLENE | 190 | | 27 | MG/KG | 5000 | 9/9/2015 19:17 |
| TOTAL XYLENES | 750 | | 0.005 | MG/KG | 1 | 9/9/2015 19:17 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 5000 | 9/9/2015 19:17 |
| Surr: DIBROMOFLUOROMETHANE | 98 | | 61-134 | %REC | 500 | 9/9/2015 19:42 |
| Surr: TOLUENE-D8 | 98 | | 57-135 | %REC | 500 | 9/9/2015 19:42 |
| Surr: TOLUENE-D8 | 96 | | 57-135 | %REC | 5000 | 9/9/2015 19:17 |
| Surr: 4-BROMOFLUOROBENZENE | 93 | | 52-151 | %REC | 500 | 9/9/2015 19:42 |
| Surr: 4-BROMOFLUOROBENZENE | 96 | | 52-151 | %REC | 5000 | 9/9/2015 19:17 |

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LIMS Version: 6.785

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 15-Sep-15

 Project:
 701530.024.02 Nelson A6/A7
 Work Order:
 1509119

 Sample ID:
 SW-3 @ 8'
 Lab ID:
 1509119-3

Legal Location:Matrix:SOILCollection Date:9/3/2015 12:30Percent Moisture:22.0

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW | 8015M | Prep | Date: 9/11/2015 | PrepBy: JFN |
| Diesel Range Organics | 76 | L45 | 6.2 | MG/KG | 1 | 9/11/2015 18:22 |
| Surr: O-TERPHENYL | 98 | | 49-114 | %REC | 1 | 9/11/2015 18:22 |
| Gasoline Range Organics | | SW | 8015 | Prep | Date: 9/10/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 25 | Z | 0.53 | MG/KG | 1 | 9/10/2015 19:47 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 146 | * | 76-126 | %REC | 1 | 9/10/2015 19:47 |
| GC/MS Volatiles | | SW | 8260 | Prep | Date: 9/9/2015 | PrepBy: SDW |
| BENZENE | ND | | 0.049 | MG/KG | 1 | 9/9/2015 18:01 |
| TOLUENE | ND | | 0.0064 | MG/KG | 1 | 9/9/2015 18:26 |
| ETHYLBENZENE | 0.72 | | 0.049 | MG/KG | 1 | 9/9/2015 18:01 |
| M+P-XYLENE | 3.5 | | 0.3 | MG/KG | 50 | 9/9/2015 17:36 |
| O-XYLENE | 0.17 | | 0.049 | MG/KG | 1 | 9/9/2015 18:01 |
| TOTAL XYLENES | 3.5 | | 0.005 | MG/KG | 1 | 9/9/2015 18:01 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 50 | 9/9/2015 17:36 |
| Surr: DIBROMOFLUOROMETHANE | 97 | | 61-134 | %REC | 1 | 9/9/2015 18:26 |
| Surr: DIBROMOFLUOROMETHANE | 94 | | 61-134 | %REC | 1 | 9/9/2015 18:01 |
| Surr: TOLUENE-D8 | 96 | | 57-135 | %REC | 1 | 9/9/2015 18:26 |
| Surr: TOLUENE-D8 | 98 | | 57-135 | %REC | 1 | 9/9/2015 18:01 |
| Surr: TOLUENE-D8 | 99 | | 57-135 | %REC | 50 | 9/9/2015 17:36 |
| Surr: 4-BROMOFLUOROBENZENE | 94 | | 52-151 | %REC | 1 | 9/9/2015 18:26 |
| Surr: 4-BROMOFLUOROBENZENE | 94 | | 52-151 | %REC | 1 | 9/9/2015 18:01 |
| Surr: 4-BROMOFLUOROBENZENE | 96 | | 52-151 | %REC | 50 | 9/9/2015 17:36 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 15-Sep-15

 Project:
 701530.024.02 Nelson A6/A7
 Work Order:
 1509119

 Sample ID:
 SW-4 @ 8'
 Lab ID:
 1509119-4

Legal Location:Matrix:SOILCollection Date:9/3/2015 11:50Percent Moisture:27.3

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8 | 8015M | Prep | Date: 9/11/2015 | PrepBy: JFN |
| Diesel Range Organics | 77 | L45 | 6.8 | MG/KG | 1 | 9/11/2015 18:53 |
| Surr: O-TERPHENYL | 99 | | 49-114 | %REC | 1 | 9/11/2015 18:53 |
| Gasoline Range Organics | | SW8 | 8015 | Prep | Date: 9/10/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 11 | ZH | 0.61 | MG/KG | 1 | 9/10/2015 21:59 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 115 | | 76-126 | %REC | 1 | 9/10/2015 21:59 |
| GC/MS Volatiles | | SW8 | 3260 | Prep | Date: 9/9/2015 | PrepBy: SDW |
| BENZENE | ND | | 0.0067 | MG/KG | 1 | 9/9/2015 13:33 |
| TOLUENE | ND | | 0.0067 | MG/KG | 1 | 9/9/2015 13:33 |
| ETHYLBENZENE | ND | | 0.0067 | MG/KG | 1 | 9/9/2015 13:33 |
| M+P-XYLENE | 0.079 | | 0.0067 | MG/KG | 1 | 9/9/2015 13:33 |
| O-XYLENE | ND | | 0.0067 | MG/KG | 1 | 9/9/2015 13:33 |
| TOTAL XYLENES | 0.079 | | 0.005 | MG/KG | 1 | 9/9/2015 13:33 |
| Surr: DIBROMOFLUOROMETHANE | 99 | | 61-134 | %REC | 1 | 9/9/2015 13:33 |
| Surr: TOLUENE-D8 | 99 | | 57-135 | %REC | 1 | 9/9/2015 13:33 |
| Surr: 4-BROMOFLUOROBENZENE | 88 | | 52-151 | %REC | 1 | 9/9/2015 13:33 |

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SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 15-Sep-15

Project: 701530.024.02 Nelson A6/A7 **Work Order:** 1509119

Sample ID: SW-4 @ 8'
Legal Location: Lab ID: 1509119-4
Matrix: SOIL

Collection Date: 9/3/2015 11:50 Percent Moisture: 27.3

Report Dilution
Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.

E - Analyte concentration exceeds the upper level of the calibration range.

J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).

A - A tentatively identified compound is a suspected aldol-condensation product.

X - The analyte was diluted below an accurate quantitation level.

* - The spike recovery is equal to or outside the control criteria used.

+ - The relative percent difference (RPD) equals or exceeds the control criteria.

G - A pattern resembling gasoline was detected in this sample.

D - A pattern resembling diesel was detected in this sample.

M - A pattern resembling motor oil was detected in this sample.

C - A pattern resembling crude oil was detected in this sample.

4 - A pattern resembling JP-4 was detected in this sample.

5 - A pattern resembling JP-5 was detected in this sample.

H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.

L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.

Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:

- gasoline - JP-8

- diesel

- mineral spirits

- motor oil

- Stoddard solvent

- bunker C

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Client: Talon LPE
Work Order: 1509119

Project: 701530.024.02 Nelson A6/A7

Date: 9/15/2015 4:42:

QC BATCH REPORT

| Batch ID: H | IC150910-61-1 | nstrument ID: FU | ELS-1 | | Method: | SW8015 | | | | | | |
|--------------|---|------------------|----------------------|---------|-----------------|--------------------|------------------|-----------------------|------------|----------|--------------|------|
| LCS | Sample ID: HC150910-6 ² | 1 | | | | Units: MG/K | G | Analysi | s Date: | 9/10/201 | 5 08:23 | |
| Client ID: | | Run II | : HC150910 - | 6A | | | F | rep Date: 9/10 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Re Value | f %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE F | RANGE ORGANICS | 2.51 | 0.5 | 2.5 | | 101 | 79-118 | | | | 20 | |
| Surr: 2,3,4- | -TRIFLUOROTOLUENE | 0.568 | | 0.5 | | 114 | 76-126 | | | | | |
| LCSD | Sample ID: HC150910-6 ² | 1 | | | | Units: MG/K | G | Analysi | s Date: | 9/10/201 | 5 14:48 | |
| Client ID: | | Run II | : HC150910 - | 6A | | | F | rep Date: 9/10 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Re Value | f %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE F | RANGE ORGANICS | 2.36 | 0.5 | 2.5 | | 94 | 79-118 | | 2.5 | 1 6 | 20 | |
| Surr: 2,3,4- | -TRIFLUOROTOLUENE | 0.559 | | 0.5 | | 112 | 76-126 | | | 2 | | |
| МВ | Sample ID: HC150910-6 | | | | | Units: MG/K | G | Analysi | s Date: | 9/10/201 | 5 08:44 | |
| Client ID: | | Run II | : HC150910 - | 6A | | | F | rep Date: 9/10 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Re Value | f %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE F | RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4- | -TRIFLUOROTOLUENE | 0.501 | | 0.5 | | 100 | 76-126 | | | | | |
| МВ | Sample ID: HC150910-6 ² | 1M | | | | Units: MG/K | G | Analysi | s Date: | 9/10/201 | 5 12:40 | |
| Client ID: | | Run II | D: HC150910 - | 6A | | | F | rep Date: 9/10 | /2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Re Value | f %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| GASOLINE F | RANGE ORGANICS | ND | 5 | | | | | | | | | |
| Surr: 2,3,4- | -TRIFLUOROTOLUENE | 5.66 | | 5 | | 113 | 76-126 | | | | | |
| The follow | ving samples were analyze | d in this hatch | 1509 ⁻ | 110-1 | 1500 | 119-3 | 150 | 9119-4 | | | | |

QC Page: 1 of 5

Client: Talon LPE Work Order: 1509119

Project: 701530.024.02 Nelson A6/A7

| LCS | Sample ID: HC150911-100 | | | Uı | nits: MG/K | G | Analysis Date: 9/11/2015 16:18 | | | | | |
|------------------|--------------------------------|----------------------------|------------------------------------|---------|------------------------|-------------------------|--------------------------------|---------------------------|---------------------|------------------------|--------------|------|
| Client ID: | | Run ID: HC150911-7A | | | F | | | ep Date: 9/11 | /2015 | DF: 1 | | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range | e Organics | 139 | 5 | 125 | | 111 | 76-124 | | | | 20 | |
| | | | | | | | | | | | | |
| Surr: O-TE | ERPHENYL | 10.2 | | 12.5 | | 82 | 49-114 | | | | | |
| Surr: O-TE | Sample ID: HC150911-100 | 10.2 | | 12.5 | Uı | 82 nits: MG/K | | Analysi | s Date: | 9/11/201 | 5 13:14 | |
| | | | D: HC150911- | | Uı | | G | Analysi | | 9/11/201 DF: | | |
| МВ | | | D: HC150911- ReportLimit | | Uı SPK Ref Value | | G | | | | | Qual |
| MB Client ID: | Sample ID: HC150911-100 | Run II | | 7A | SPK Ref | nits: MG/K | G Pr | ep Date: 9/11 Decision | /2015 RPD | DF: | 1 RPD | Qual |

Client: Talon LPE
Work Order: 1509119

Project: 701530.024.02 Nelson A6/A7

| Batch ID: I | HC150914-61-1 Instru | ument ID: FU | ELS-1 | | Method: S | W8015 | | | | | | |
|-------------|--------------------------------|--------------|----------------------------|---------|--|------------|------------------|-------------------|------------|----------|--------------|-----|
| LCS | Sample ID: HC150914-61 | | | | Units: MG/KG Analysis Date: 9/14/2015 09:3 | | | | | | 5 09:38 | .8 |
| Client ID: | | Run II | Run ID: HC150914-6A | | | Pi | | | /2015 | DF: | | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE F | RANGE ORGANICS | 2.44 | 0.5 | 2.5 | | 98 | 79-118 | | | | 20 | |
| Surr: 2,3,4 | -TRIFLUOROTOLUENE | 0.559 | | 0.5 | | 112 | 76-126 | | | | | |
| LCSD | Sample ID: HC150914-61 | | | | Uı | nits: MG/K | G | Analysi | s Date: | 9/14/201 | 5 17:24 | |
| Client ID: | | Run II | D: HC150914 - | 6A | | | Р | rep Date: 9/14 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE F | RANGE ORGANICS | 2.77 | 0.5 | 2.5 | | 111 | 79-118 | | 2.4 | 4 13 | 20 | |
| Surr: 2,3,4 | -TRIFLUOROTOLUENE | 0.534 | | 0.5 | | 107 | 76-126 | | | 5 | | |
| МВ | Sample ID: HC150914-61 | | | | Uı | nits: MG/K | G | Analysi | s Date: | 9/14/201 | 5 09:59 | |
| Client ID: | | Run II | D: HC150914 - | 6A | | | Р | rep Date: 9/14 | /2015 | DF: | 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE F | RANGE ORGANICS | ND | 0.5 | | | | | | | | | |
| Surr: 2,3,4 | -TRIFLUOROTOLUENE | 0.503 | | 0.5 | | 101 | 76-126 | | | | | |
| МВ | Sample ID: HC150914-61M | | | | Uı | nits: MG/K | G | Analysi | s Date: | 9/14/201 | 5 12:55 | |
| Client ID: | | Run II | D: HC150914 - | 6A | | | Р | rep Date: 9/14 | /2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| | RANGE ORGANICS | ND | 5 | - | - | | | | | | | |
| GASOLINE F | | | | | | | | | | | | |

QC Page: 3 of 5

Client: Talon LPE
Work Order: 1509119

Surr: 4-BROMOFLUOROBENZENE

Project: 701530.024.02 Nelson A6/A7

| Batch ID: VL150909-2-4 | V1 | Method: SW8260 | | | | | | | | | | |
|--------------------------------|------------|-----------------------|---------|------------------|------------|------------------|-------------------------------|------------|---------|--------------|------|--|
| LCS Sample ID: V | /L150909-2 | | | Uı | nits: MG/K | G | Analysis Date: 9/9/2015 09:33 | | | | | |
| Client ID: | Run II | D: VL150909 -2 | 2A | | | Р | rep Date: 9/9/2 | | DF: | | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BENZENE | 0.0365 | 0.005 | 0.04 | | 91 | 73-126 | | | | 30 | | |
| TOLUENE | 0.0394 | 0.005 | 0.04 | | 98 | 71-127 | | | | 30 | | |
| ETHYLBENZENE | 0.0389 | 0.005 | 0.04 | | 97 | 74-127 | | | | 30 | | |
| M+P-XYLENE | 0.0822 | 0.005 | 0.08 | | 103 | 79-126 | | | | 30 | | |
| O-XYLENE | 0.0397 | 0.005 | 0.04 | | 99 | 77-125 | | | | 30 | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0469 | | 0.05 | | 94 | 61-134 | | | | | | |
| Surr: TOLUENE-D8 | 0.0483 | | 0.05 | | 97 | 57-135 | | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0473 | | 0.05 | | 95 | 52-151 | | | | | | |
| LCSD Sample ID: V | /L150909-2 | | | Uı | nits: MG/K | G | Analysi | s Date: 9 | /9/2015 | 09:55 | | |
| Client ID: | Run II | D: VL150909- 2 | 2A | | | Р | rep Date: 9/9/2 | 2015 | DF: | 1 | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BENZENE | 0.0388 | 0.005 | 0.04 | | 97 | 73-126 | | 0.0365 | 6 | 30 | | |
| TOLUENE | 0.0415 | 0.005 | 0.04 | | 104 | 71-127 | | 0.0394 | 5 | 30 | | |
| ETHYLBENZENE | 0.0413 | 0.005 | 0.04 | | 103 | 74-127 | | 0.0389 | 6 | 30 | | |
| M+P-XYLENE | 0.0873 | 0.005 | 0.08 | | 109 | 79-126 | | 0.0822 | 6 | 30 | | |
| O-XYLENE | 0.0424 | 0.005 | 0.04 | | 106 | 77-125 | | 0.0397 | 7 | 30 | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0472 | | 0.05 | | 94 | 61-134 | | | 1 | | | |
| Surr: TOLUENE-D8 | 0.0492 | | 0.05 | | 98 | 57-135 | | | 2 | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0478 | | 0.05 | | 96 | 52-151 | | | 1 | | | |
| MB Sample ID: V | /L150909-2 | | | Uı | nits: MG/K | G | Analysi | s Date: 9 | /9/2015 | 10:20 | | |
| Client ID: | Run II | D: VL150909- | 2A | | | Р | rep Date: 9/9/2 | 2015 | DF: | 1 | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual | |
| BENZENE | ND | 0.005 | | | | | | | | | | |
| TOLUENE | ND ND | 0.005 | | | | | | | | | | |
| ETHYLBENZENE | ND | 0.005 | | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | | |
| Surr: | 0.0459 | | 0.05 | | 92 | 61-134 | | | | | | |
| DIBROMOFLUOROMETHANE | | | | | | | | | | | | |

QC Page: 4 of 5

93 52-151

0.05

0.0464

Client: Talon LPE
Work Order: 1509119

Project: 701530.024.02 Nelson A6/A7

| Batch ID: \ | VL150909-2-4 | | Method: S | W8260 | | | | | | | | |
|----------------------|-------------------|--------|---------------------|---------|------------------|------------|------------------|-------------------|------------|----------|--------------|------|
| МВ | Sample ID: VL1509 | 09-2M | | | U | nits: MG/K | G | Analysi | s Date: | 9/9/2015 | 5 16:47 | |
| Client ID: | | Run II | D: VL150909- | 2A | | | ı | Prep Date: 9/9/2 | 2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | | ND | 0.25 | | | | | | | | | |
| TOLUENE | | ND | 0.25 | | | | | | | | | |
| ETHYLBENZ | ZENE | ND | 0.25 | | | | | | | | | |
| M+P-XYLEN | IE . | ND | 0.25 | | | | | | | | | |
| O-XYLENE | | ND | 0.25 | | | | | | | | | |
| TOTAL XYLE | ENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFI | LUOROMETHANE | 2.33 | | 2.5 | | 93 | 61-134 | | | | | |
| Surr: TOLU | UENE-D8 | 2.42 | | 2.5 | | 97 | 57-135 | | | | | |
| Surr: 4- BROMOFLU | JOROBENZENE | 2.4 | | 2.5 | | 96 | 52-151 | | | | | |

The following samples were analyzed in this batch:

1509119-1 1509119-2 1509119-3 1509119-4

QC Page: 5 of 5



Ft. Collins, Colorado LIMS Version: 6.785 Page 1 of 1

Friday, October 02, 2015

Colby Sterling Talon LPE 921 N Bivins Amarillo, TX 79107

Re: ALS Workorder: 1509473

Project Name: Nelson A6/A7 Project Number: 701530.024.02

Dear Mr. Sterling:

Three soil samples were received from Talon LPE, on 9/29/2015. The samples were scheduled for the following analyses:

GC/MS Volatiles

Total Extractable Petroleum Hydrocarbons (Diesel)

Total Volatile Petroleum Hydrocarbons (Gasoline)

The results for these analyses are contained in the enclosed reports.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Thank you for your confidence in ALS Environmental. Should you have any questions, please call.

Sincerely.

Amy R. Wolf

Project Manager

ALS Environmental – Fort Collins is accredited by the following accreditation bodies for various testing scopes in accordance with requirements of each accreditation body. All testing is performed under the laboratory management system, which is maintained to meet these requirement and regulations. Please contact the laboratory or accreditation body for the current scope testing parameters.

| ALS Environmo | ntal – Fort Collins | | | | | | |
|-----------------------------|---------------------------------|--|--|--|--|--|--|
| ALS ENVIORING | Intal – Fort Collins | | | | | | |
| Accreditation Body | License or Certification Number | | | | | | |
| Alaska (AK) | UST-086 | | | | | | |
| Alaska (AK) | CO01099 | | | | | | |
| Arizona (AZ) | AZ0742 | | | | | | |
| California (CA) | 06251CA | | | | | | |
| Colorado (CO) | CO01099 | | | | | | |
| Connecticut (CT) | PH-0232 | | | | | | |
| Florida (FL) | E87914 | | | | | | |
| Idaho (ID) | CO01099 | | | | | | |
| Kansas (KS) | E-10381 | | | | | | |
| Kentucky (KY) | 90137 | | | | | | |
| L-A-B (DoD ELAP/ISO 170250) | L2257 | | | | | | |
| Louisiana (LA) | 05057 | | | | | | |
| Maryland (MD) | 285 | | | | | | |
| Missouri (MO) | 175 | | | | | | |
| Nebraska(NE) | NE-OS-24-13 | | | | | | |
| Nevada (NV) | CO000782008A | | | | | | |
| New York (NY) | 12036 | | | | | | |
| North Dakota (ND) | R-057 | | | | | | |
| Oklahoma (OK) | 1301 | | | | | | |
| Pennsylvania (PA) | 68-03116 | | | | | | |
| Tennessee (TN) | 2976 | | | | | | |
| Texas (TX) | T104704241 | | | | | | |
| Utah (UT) | CO01099 | | | | | | |
| Washington (WA) | C1280 | | | | | | |



1509473

GC/MS Volatiles:

The samples were analyzed using GC/MS following the current revision of SOP 525 based on SW-846 Method 8260C.

All acceptance criteria were met.

GRO:

The samples were analyzed following the current revision of SOP 425 generally based on SW-846 Methods 8000C and 8015D. TVPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C6 to C10

All matrix spike and matrix spike duplicate recoveries and RPDs were within the acceptance criteria with the following exceptions:

| Spiked Compound | QC Sample | Direction |
|-------------------------|-----------|-----------|
| Gasoline range organics | MS | Low |
| Gasoline range organics | MSD | RPD |

The recoveries for gasoline range organics in the laboratory control sample and laboratory control sample duplicate were within control limits, which suggest the outlier in the matrix spikes may have been due to matrix effects. No further action was taken. Laboratory control sample and laboratory control sample duplicate results have been included.

The surrogate recovery for sample 1509473-2 was outside control limits (high). Inspection of the chromatogram indicated co-elution of the surrogate peak with a target component peak, biasing the surrogate result high. Re-analysis of the sample confirmed a high surrogate recovery.

All remaining acceptance criteria were met.

DRO:

The sample was analyzed following the current revision of SOP 406 generally based on SW-846 Methods 8000C and 8015D. TEPH is a multicomponent mixture and is quantitated by summing the entire carbon range, rather than individual peaks. The carbon range integrated in this test extends from C10 to C28.

All acceptance criteria were met.

Sample Number(s) Cross-Reference Table

OrderNum: 1509473 Client Name: Talon LPE

Client Project Name: Nelson A6/A7 Client Project Number: 701530.024.02

Client PO Number:

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|-------------------------|----------------------|------------|--------|-------------------|-------------------|
| BH-01 @ 12' | 1509473-1 | | SOIL | 29-Sep-15 | 10:18 |
| SW-3 @ 8' | 1509473-2 | | SOIL | 29-Sep-15 | 10:25 |
| SW-4 @ 8' | 1509473-3 | | SOIL | 29-Sep-15 | 10:30 |

Date Printed: Friday, October 02, 2015

| abor | |
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atory Groun

| 225 Commerce TF: (800) 443-15 | ALS LADOI ALOLY GLOUP 225 Commerce Drive, Fort Collins, Colorado 80524 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522 | 225 | | | Cnam-or-custous | Custo | âr âr | Form 20278 | WORKORDER | 150 | 1509473 | 73 |
|--|---|--------------------|-----------|----------|-----------------|------------------|----------------|------------|-----------|----------|---------------------------------------|--------|
| (ALS) | | 8A8 | SAMPLER T | 120,30 | | 2 T 1 T 1 | DATE | 9-29-15 | PAGE | - | Jo | |
| PROJECT NAME N.P. SUC | Ne son A 6/A7 | 8 | SITE ID | | | ab C | TURNAROUND | A 24/hC | DISPOSAL | By Labor | Return to Client | Client |
| PROJECT No. 76.5536 | 701536,024,02 | EDD FORMAT | IMAT | | | | | 7 | | | | |
| | | PURCHASE ORDER | DER | (| | | | | | | | |
| COMPANY NAME / (A/C) | UPE | BILL TO COMPANY | MNY 12/1 | tion 124 | 'alcam | | | | | | | |
| SEND REPORT TO | cke/ine | INVOICE ATTN TO | NTO K./ | 6 Mars | 268000 | | | | | - | | |
| ADDRESS / | <u></u> | Q | ADDRESS | 3 | | | | | | | | |
| CITY/STATE/ZIP | | CITY / STATE / ZIP | 1 | | | | t Ja | | | | | |
| PHONE | | Δ | PHONE | | | | | | | | · · · · · · · · · · · · · · · · · · · | |
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| | | | E-WAIL | | | 7. | (,/ | | | | | |
| | | | | | | | 2/\ | | | | | |
| | | Matrix | Date | Ттте | Bottles Pres. | <u></u> | /T=} | | | | | |
| | | | | | | 4 | 7 | | | | | |
| (1) BH-0 | (e/2, | 1,700 | 8-25-15 | 8101 | 1 | | C | | | | | |
| (g) SW-3 | a8' | 5,1 | | 1625 | - | <u> </u> | | | | | | |
| B SW-408' | e8' | 50, (| > | 10.36 | | <u>></u> ا | • | | | | | |
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| FOO FOUNT TO THE PERSON OF THE | C C | H | | F | | | | | | | | |

Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

| Comments: | कर्ं, बु | | | | | 8 | QC PACKAGE (check below) | headt below) |
|---|----------|--------|---------|--------|----------|---------|--------------------------|--------------------------------------|
| | | | , | e | | | LEVEL | LEVEL II (Standard QC) |
| | | • | Sion | J | | ! | LEVEL | LEVEL III (Std OC + forms) |
| -5- | | | | | | | LEVEL IV | LEVEL IV (Std OC + forms + raw data) |
| of 1 | | | | | | | | |
| Preservative Key: 1-HCI 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035 | 1-HCI | 2-HN03 | 3-H2SO4 | 4-NaOH | 5-NaHSO4 | 7-Other | 8-4 degree: | s C 9-5035 |

| | | FRINEDRAME | Lo unit | |
|-----------------|-------|------------|---------|-------|
| RELINQUISHED BY | 1491 | TI (3166) | SHZH | 52M |
| RECEIVED BY | //CA- | رسار | 4-52-12 | 52.91 |
| RELINQUISHED BY | 0 | | | |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| AE CENED BY | | | | |



ALS Environmental - Fort Collins CONDITION OF SAMPLE UPON RECEIPT FORM

| Client: TAION Workorder No: 15094 | 73 | _ |
|--|-----------------|------|
| Project Manager: | e: <u>9-19-</u> | 15 |
| Does this project require any special handling in addition to standard ALS procedures? | YES | (NO) |
| 2. Are custody seals on shipping containers intact? | YES | NO |
| 3. Are Custody seals on sample containers intact? (NON) | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | YES | NO |
| 5. Are the COC and bottle labels complete and legible? | YES | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | YE\$ | NO |
| 7. Were airbills / shipping documents present and/or removable? | FF YES | NO |
| 8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles) |) YES | NO |
| 9. Are all aqueous non-preserved samples pH 4-9? N/A | YES | NO |
| 10. Is there sufficient sample for the requested analyses? | YES | NO |
| Were all samples placed in the proper containers for the requested analyses? | ₹E3 | NO |
| 12. Are all samples within holding times for the requested analyses? | YES | NO |
| 13. Were all sample containers received intact? (not broken or leaking, etc.) | YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: < green pea > green pea | YES | NO |
| 15. Do any water samples contain sediment? Amount of sediment: dusting moderate heavy | YES | NO |
| 16. Were the samples shipped on ice? | YES | NO |
| 17. Were cooler temperatures measured at 0.1-6.0°C? IR gun used*: #2 #4 RAD ONLY | YES | NO |
| Cooler #: | | |
| Temperature (°C): 5.0 | | |
| No. of custody seals on cooler: | | |
| DOT Survey/ Acceptance External μR/hr reading: NA | | |
| Background μR/hr reading: Λ/Α | | |
| Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? YES / NO(NA)(If no, see Form 00 | 8.) | |
| Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT # | | |
| | | |
| | | |
| | | |
| | | |
| If applicable, was the client contacted? YES / NO / NA Contact: Date: | Time: | |
| Project Manager Signature / Date: 9 29 15 | | |

*IR Gun #2: Oakton, SN 29922500201-0066 *IR Gun #4: Oakton, SN 2372220101-0002

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 02-Oct-15

 Project:
 701530.024.02 Nelson A6/A7
 Work Order:
 1509473

 Sample ID:
 BH-01 @ 12'
 Lab ID:
 1509473-1

Legal Location:Matrix:SOILCollection Date:9/29/2015 10:18Percent Moisture:10.0

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW | 8015M | Prep | Date: 9/30/2015 | PrepBy: JFN |
| Diesel Range Organics | 37 | LDH | 5.4 | MG/KG | 1 | 9/30/2015 23:06 |
| Surr: O-TERPHENYL | 87 | | 49-114 | %REC | 1 | 9/30/2015 23:06 |
| Gasoline Range Organics | | SW | 8015 | Prep | Date: 9/30/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 6.1 | GZ | 0.42 | MG/KG | 1 | 9/30/2015 14:02 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 115 | | 76-126 | %REC | 1 | 9/30/2015 14:02 |
| GC/MS Volatiles | | SW | 8260 | Prep | Date: 9/30/2015 | PrepBy: SDW |
| BENZENE | ND | | 0.0051 | MG/KG | 1 | 9/30/2015 14:56 |
| TOLUENE | ND | | 0.0051 | MG/KG | 1 | 9/30/2015 14:56 |
| ETHYLBENZENE | ND | | 0.0051 | MG/KG | 1 | 9/30/2015 14:56 |
| M+P-XYLENE | ND | | 0.0051 | MG/KG | 1 | 9/30/2015 14:56 |
| O-XYLENE | ND | | 0.0051 | MG/KG | 1 | 9/30/2015 14:56 |
| TOTAL XYLENES | ND | | 0.005 | MG/KG | 1 | 9/30/2015 14:56 |
| Surr: DIBROMOFLUOROMETHANE | 99 | | 61-134 | %REC | 1 | 9/30/2015 14:56 |
| Surr: TOLUENE-D8 | 90 | | 57-135 | %REC | 1 | 9/30/2015 14:56 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 1 | 9/30/2015 14:56 |

AR Page 1 of 4 7 of 15

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 02-Oct-15

 Project:
 701530.024.02 Nelson A6/A7
 Work Order:
 1509473

 Sample ID:
 SW-3 @ 8'
 Lab ID:
 1509473-2

Legal Location:Matrix:SOILCollection Date:9/29/2015 10:25Percent Moisture:7.5

| Analyses | Result | Qual | Report Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|------|-----------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8 | 015M | Prep | Date: 9/30/2015 | PrepBy: JFN |
| Diesel Range Organics | 1100 | L | 32 | MG/KG | 6 | 10/1/2015 13:14 |
| Surr: O-TERPHENYL | 100 | | 49-114 | %REC | 6 | 10/1/2015 13:14 |
| Gasoline Range Organics | | SW8 | 015 | Prep | Date: 9/30/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | 2000 | GZ | 54 | MG/KG | 500 | 9/30/2015 13:41 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 130 | * | 76-126 | %REC | 500 | 9/30/2015 13:41 |
| GC/MS Volatiles | | SW8 | 260 | Prep | Date: 9/30/2015 | PrepBy: SDW |
| BENZENE | 0.76 | | 0.22 | MG/KG | 50 | 9/30/2015 17:42 |
| TOLUENE | 31 | | 4.4 | MG/KG | 1000 | 9/30/2015 17:13 |
| ETHYLBENZENE | 15 | | 4.4 | MG/KG | 1000 | 9/30/2015 17:13 |
| M+P-XYLENE | 75 | | 4.4 | MG/KG | 1000 | 9/30/2015 17:13 |
| O-XYLENE | 28 | | 4.4 | MG/KG | 1000 | 9/30/2015 17:13 |
| TOTAL XYLENES | 100 | | 0.005 | MG/KG | 1 | 9/30/2015 17:13 |
| Surr: DIBROMOFLUOROMETHANE | 97 | | 61-134 | %REC | 1000 | 9/30/2015 17:13 |
| Surr: DIBROMOFLUOROMETHANE | 103 | | 61-134 | %REC | 50 | 9/30/2015 17:42 |
| Surr: TOLUENE-D8 | 91 | | 57-135 | %REC | 50 | 9/30/2015 17:42 |
| Surr: TOLUENE-D8 | 95 | | 57-135 | %REC | 1000 | 9/30/2015 17:13 |
| Surr: 4-BROMOFLUOROBENZENE | 92 | | 52-151 | %REC | 50 | 9/30/2015 17:42 |
| Surr: 4-BROMOFLUOROBENZENE | 97 | | 52-151 | %REC | 1000 | 9/30/2015 17:13 |

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Legal Location:

SAMPLE SUMMARY REPORT

Matrix: SOIL

Client: Talon LPE Date: 02-Oct-15

 Project:
 701530.024.02 Nelson A6/A7
 Work Order:
 1509473

 Sample ID:
 SW-4 @ 8'
 Lab ID:
 1509473-3

Collection Date: 9/29/2015 10:30 Percent Moisture: 8.6

| Analyses | Result | Report Qual Limit | Units | Dilution Factor | Date Analyzed |
|------------------------------|--------|----------------------|-------|--------------------|--------------------|
| Diesel Range Organics | | SW8015M | Prep | Date: 9/30/2015 | PrepBy: JFN |
| Diesel Range Organics | ND | 5.3 | MG/KG | 1 | 10/1/2015 00:07 |
| Surr: O-TERPHENYL | 88 | 49-114 | %REC | 1 | 10/1/2015 00:07 |
| Gasoline Range Organics | | SW8015 | Prep | Date: 9/30/2015 | PrepBy: JFN |
| GASOLINE RANGE ORGANICS | ND | 0.5 | MG/KG | 1 | 9/30/2015 14:45 |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 104 | 76-126 | %REC | 1 | 9/30/2015 14:45 |
| GC/MS Volatiles | | SW8260 | Prep | Date: 9/30/2015 | PrepBy: SDW |
| BENZENE | ND | 0.0054 | MG/KG | 1 | 9/30/2015 16:46 |
| TOLUENE | ND | 0.0054 | MG/KG | 1 | 9/30/2015 16:46 |
| ETHYLBENZENE | ND | 0.0054 | MG/KG | 1 | 9/30/2015 16:46 |
| M+P-XYLENE | ND | 0.0054 | MG/KG | 1 | 9/30/2015 16:46 |
| O-XYLENE | ND | 0.0054 | MG/KG | 1 | 9/30/2015 16:46 |
| TOTAL XYLENES | ND | 0.005 | MG/KG | 1 | 9/30/2015 16:46 |
| Surr: DIBROMOFLUOROMETHANE | 102 | 61-134 | %REC | 1 | 9/30/2015 16:46 |
| Surr: TOLUENE-D8 | 91 | 57-135 | %REC | 1 | 9/30/2015 16:46 |
| Surr: 4-BROMOFLUOROBENZENE | 100 | 52-151 | %REC | 1 | 9/30/2015 16:46 |

AR Page 3 of 4 **9 of 15**

LIMS Version: 6.785

SAMPLE SUMMARY REPORT

Client: Talon LPE Date: 02-Oct-15

Project: 701530.024.02 Nelson A6/A7 **Work Order:** 1509473

Sample ID: SW-4 @ 8'
Legal Location: Lab ID: 1509473-3
Matrix: SOIL

Collection Date: 9/29/2015 10:30 Percent Moisture: 8.6

Report Dilution

Analyses Result Qual Limit Units Factor Date Analyzed

Explanation of Qualifiers

Radiochemistry:

U or ND - Result is less than the sample specific MDC.

Y1 - Chemical Yield is in control at 100-110%. Quantitative yield is assumed.

Y2 - Chemical Yield outside default limits

W - DER is greater than Warning Limit of 1.42

* - Aliquot Basis is 'As Received' while the Report Basis is 'Dry Weight'.

- Aliquot Basis is 'Dry Weight' while the Report Basis is 'As Received'.

G - Sample density differs by more than 15% of LCS density.

D - DER is greater than Control Limit

M - Requested MDC not met.

LT - Result is less than requested MDC but greater than achieved MDC.

M3 - The requested MDC was not met, but the reported activity is greater than the reported MDC.

L - LCS Recovery below lower control limit.

H - LCS Recovery above upper control limit.

P - LCS, Matrix Spike Recovery within control limits.

N - Matrix Spike Recovery outside control limits

NC - Not Calculated for duplicate results less than 5 times MDC

B - Analyte concentration greater than MDC.

B3 - Analyte concentration greater than MDC but less than Requested

MDC.

Inorganics:

B - Result is less than the requested reporting limit but greater than the instrument method detection limit (MDL).

U or ND - Indicates that the compound was analyzed for but not detected.

E - The reported value is estimated because of the presence of interference. An explanatory note may be included in the narrative.

M - Duplicate injection precision was not met.

N - Spiked sample recovery not within control limits. A post spike is analyzed for all ICP analyses when the matrix spike and or spike duplicate fail and the native sample concentration is less than four times the spike added concentration.

Z - Spiked recovery not within control limits. An explanatory note may be included in the narrative.

* - Duplicate analysis (relative percent difference) not within control limits.

S - SAR value is estimated as one or more analytes used in the calculation were not detected above the detection limit.

Organics:

U or ND - Indicates that the compound was analyzed for but not detected.

B - Analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user.

E - Analyte concentration exceeds the upper level of the calibration range.

J - Estimated value. The result is less than the reporting limit but greater than the instrument method detection limit (MDL).

A - A tentatively identified compound is a suspected aldol-condensation product.

X - The analyte was diluted below an accurate quantitation level.

* - The spike recovery is equal to or outside the control criteria used.

+ - The relative percent difference (RPD) equals or exceeds the control criteria.

G - A pattern resembling gasoline was detected in this sample.

D - A pattern resembling diesel was detected in this sample.

M - A pattern resembling motor oil was detected in this sample.

C - A pattern resembling crude oil was detected in this sample.

4 - A pattern resembling JP-4 was detected in this sample.

5 - A pattern resembling JP-5 was detected in this sample.

H - Indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.

L - Indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.

Z - This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:

- gasoline - JP-8

- diesel

- mineral spirits

- motor oil

- Stoddard solvent

- bunker C

AR Page 4 of **410 of 15**

LIMS Version: 6.785

Client: Talon LPE Work Order: 1509473

Project: 701530.024.02 Nelson A6/A7

Date: 10/2/2015 2:19:

QC BATCH REPORT

| Batch ID: HC150930-61-1 Inst | rument ID: FU | IELS-1 | | Method: SV | W8015 | | | | | | |
|--------------------------------------|---------------|----------------------|---------|------------------|------------|------------------|------------------------|------------|---------|--------------|-----|
| LCS Sample ID: HC150930-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: 9 | /30/201 | 15 10:07 | |
| Client ID: | Run II | D: HC150930- | 6A | | | ı | Prep Date: 9/30 | /2015 | DF: | : 1 | |
| | | | | SPK Ref | | Control | Decision | RPD | | RPD | |
| Analyte | Result | ReportLimit | SPK Val | Value | %REC | Limit | Level | Ref | RPD | Limit | Qua |
| GASOLINE RANGE ORGANICS | 2.29 | 0.5 | 2.5 | | 92 | 79-118 | | | | 20 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.525 | | 0.5 | | 105 | 76-126 | | | | | |
| LCSD Sample ID: HC150930-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: 9 | /30/201 | 15 15:48 | |
| Client ID: | Run II | D: HC150930 - | 6A | | | ı | Prep Date: 9/30 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE RANGE ORGANICS | 2.37 | 0.5 | 2.5 | | 95 | 79-118 | | 2.29 | 3 | 20 | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.531 | | 0.5 | | 106 | 76-126 | | | 1 | | |
| MB Sample ID: HC150930-61 | | | | Ur | nits: MG/K | G | Analysi | s Date: 9 | /30/201 | 15 10:28 | |
| Client ID: | Run II | D: HC150930 - | 6A | | | ı | Prep Date: 9/30 | | DF: | | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE RANGE ORGANICS | ND | 0.5 | | | ,,,,, | | | | | | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.508 | 0.5 | 0.5 | | 102 | 76-126 | | | | | |
| MB Sample ID: HC150930-61M | | | | Ur | nits: MG/K | G | Analysi | s Date: 9 | /30/201 | 15 10:49 | |
| Client ID: | Run II | D: HC150930 - | 6A | | | ı | Prep Date: 9/30 | /2015 | DF: | 50 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| GASOLINE RANGE ORGANICS | ND | 5 | | | | | | | | | |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 5.02 | | 5 | | 100 | 76-126 | | | | | |
| MS Sample ID: 1509473-1 | | | | Ur | nits: MG/K | G | Analysi | s Date: 9 | /30/201 | 15 15:06 | |
| Client ID: BH-01 @ 12' | Run II | D: HC150930- | 6A | | | ı | Prep Date: 9/30 | /2015 | DF: | : 1 | |
| | | | | SPK Ref | | Control | Decision | RPD | | RPD | |
| Analyte | Result | ReportLimit | SPK Val | Value | %REC | Limit | Level | Ref | RPD | Limit | Qua |
| GASOLINE RANGE ORGANICS | 4.51 | 0.414 | 2.07 | 6.1 | 1 -78 | 79-118 | | | | 40 | * |
| Surr: 2,3,4-TRIFLUOROTOLUENE | 0.402 | | 0.414 | | 97 | 76-126 | | | | | |
| MSD Sample ID: 1509473-1 | | | | Ur | nits: MG/K | G | Analysi | s Date: 9 | /30/201 | 15 15:26 | |
| Client ID: BH-01 @ 12' | Run II | D: HC150930 - | 6A | | | ı | Prep Date: 9/30 | /2015 | DF: | : 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qua |
| | | | | | | | | | | 40 | |
| GASOLINE RANGE ORGANICS | 8.35 | 0.463 | 2.31 | 6.1 | 1 96 | 79-118 | | 4.51 | 60 | 40 | + |

ALS Environmental -- FC

LIMS Version: 6.785

Talon LPE **Client:** Work Order: 1509473

Project: 701530.024.02 Nelson A6/A7

The following samples were analyzed in this batch:

QC BATCH REPORT

1509473-2

1509473-3

1509473-1

QC Page: 2 of 5

QC BATCH REPORT

Client: Talon LPE Work Order: 1509473

Project: 701530.024.02 Nelson A6/A7

| Batch ID: H | atch ID: HC150930-100-1 Instrument ID: | | | | Method: | SW8015M | | | | | | |
|----------------------------|--|--------|----------------------|---------|------------------|-------------|------------------|------------------------|------------|----------|--------------|------|
| LCS | Sample ID: HC150930- | -100 | | | l | Jnits: MG/K | G | Analysi | s Date: | 9/30/201 | 15 17:26 | |
| Client ID: | | Run II | D: HC150930 - | -7A | | | F | Prep Date: 9/30 | /2015 | DF | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| Diesel Range | e Organics | 130 | 5 | 125 | | 104 | 76-124 | | | | 20 | |
| Surr: O-TE | RPHENYL | 5.24 | | 6.25 | | 84 | 49-114 | | | | | |
| МВ | Sample ID: HC150930- | -100 | | | l | Jnits: MG/K | G | Analysi | s Date: | 9/30/201 | 15 16:55 | |
| Client ID: | | Run II | D: HC150930 - | -7A | | | F | Prep Date: 9/30 | /2015 | DF: | : 1 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| | | | | | | | | | | | | |
| Diesel Range | e Organics | ND | 5 | | | | | | | | | |
| Diesel Range Surr: O-TE | | ND 4.7 | 5 | 6.25 | | 75 | 49-114 | | | | | |

QC Page: 3 of 5

QC BATCH REPORT

Client: Talon LPE
Work Order: 1509473

Surr: 4-BROMOFLUOROBENZENE

Project: 701530.024.02 Nelson A6/A7

| Batch ID: VL150930-2-1 Ins | trument ID: HF | PV1 | | Method: S | W8260 | | | | | | |
|-----------------------------------|----------------|-----------------------|---------|------------------|-------------------|------------------|----------------------|-------------|----------|--------------|-------------|
| LCS Sample ID: VL150930-2 | | | | U | nits: MG/K | G | Analysi | s Date: \$ | 9/30/201 | 5 11:24 | |
| Client ID: | Run II | D: VL150930 -2 | 2A | | | Pr | ep Date: 9/30 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | 0.0416 | 0.005 | 0.04 | | 104 | 73-126 | | | | 30 | |
| TOLUENE | 0.0423 | 0.005 | 0.04 | | 106 | 71-127 | | | | 30 | |
| ETHYLBENZENE | 0.0425 | 0.005 | 0.04 | | 106 | 74-127 | | | | 30 | |
| M+P-XYLENE | 0.0883 | 0.005 | 0.08 | | 110 | 79-126 | | | | 30 | |
| O-XYLENE | 0.0437 | 0.005 | 0.04 | | 109 | 77-125 | | | | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0485 | | 0.05 | | 97 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0466 | | 0.05 | | 93 | 57-135 | | | | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0476 | | 0.05 | | 95 | 52-151 | | | | | |
| LCSD Sample ID: VL150930-2 | | | | U | nits: MG/K | G | Analysi | s Date: \$ | 9/30/201 | 5 11:51 | |
| Client ID: | Run II | D: VL150930- 2 | 2A | | | Pr | ep Date: 9/30 | /2015 | DF: | 1 | |
| | | | | SPK Ref | | Control | Decision | RPD | | RPD | |
| Analyte | Result | ReportLimit | SPK Val | Value | %REC | Limit | Level | Ref | RPD | Limit | Qual |
| BENZENE | 0.0436 | 0.005 | 0.04 | | 109 | 73-126 | | 0.0416 | 5 | 30 | |
| TOLUENE | 0.0425 | 0.005 | 0.04 | | 106 | 71-127 | | 0.0423 | 0 | 30 | |
| ETHYLBENZENE | 0.0423 | 0.005 | 0.04 | | 106 | 74-127 | | 0.0425 | 0 | 30 | |
| M+P-XYLENE | 0.0873 | 0.005 | 0.08 | | 109 | 79-126 | | 0.0883 | 1 | 30 | |
| O-XYLENE | 0.0437 | 0.005 | 0.04 | | 109 | 77-125 | | 0.0437 | 0 | 30 | |
| Surr: DIBROMOFLUOROMETHANE | 0.0485 | | 0.05 | | 97 | 61-134 | | | 0 | | |
| Surr: TOLUENE-D8 | 0.0458 | | 0.05 | | 92 | 57-135 | | | 2 | | |
| Surr: 4- BROMOFLUOROBENZENE | 0.0488 | | 0.05 | | 98 | 52-151 | | | 2 | | |
| MB Sample ID: VL150930-2 | | | | U | nits: MG/K | G | Analysi | is Date: \$ | 9/30/201 | 5 12:17 | |
| Client ID: | Run II | D: VL150930- | 2A | | | Pr | ep Date: 9/30 | /2015 | DF: | 1 | |
| Analyte | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | ND | 0.005 | | | | | | | | | |
| TOLUENE | ND | 0.005 | | | | | | | | | |
| ETHYLBENZENE | ND. | 0.005 | | | | | | | | | |
| M+P-XYLENE | ND | 0.005 | | | | | | | | | |
| O-XYLENE | ND | 0.005 | | | | | | | | | |
| TOTAL XYLENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFLUOROMETHANE | 0.0481 | | 0.05 | | 96 | 61-134 | | | | | |
| Surr: TOLUENE-D8 | 0.0454 | | 0.05 | | 91 | 57-135 | | | | | |
| | | | | | | | | | | | |

QC Page: 4 of 5

96 52-151

0.05

0.0479

QC BATCH REPORT

Client: Talon LPE
Work Order: 1509473

Project: 701530.024.02 Nelson A6/A7

The following samples were analyzed in this batch:

| MB | Sample ID: VL150930-2M | | | | U | nits: MG/K | G | Analysi | s Date: | 9/30/201 | 15 12:44 | |
|----------------------|------------------------|--------|-----------------------|---------|------------------|------------|------------------|-------------------|------------|----------|--------------|------|
| Client ID: | | Run II | D: VL150930- 2 | 2A | | | Pr | ep Date: 9/30 | /2015 | DF: | 50 | |
| Analyte | | Result | ReportLimit | SPK Val | SPK Ref Value | %REC | Control Limit | Decision Level | RPD Ref | RPD | RPD Limit | Qual |
| BENZENE | | ND | 0.25 | | | | | | | | | |
| TOLUENE | | ND | 0.25 | | | | | | | | | |
| ETHYLBENZ | ZENE | ND | 0.25 | | | | | | | | | |
| M+P-XYLEN | IE | ND | 0.25 | | | | | | | | | |
| O-XYLENE | | ND | 0.25 | | | | | | | | | |
| TOTAL XYLE | ENES | ND | 0.005 | | | | | | | | | |
| Surr: DIBROMOFI | LUOROMETHANE | 2.37 | | 2.5 | | 95 | 61-134 | | | | | |
| Surr: TOLU | JENE-D8 | 2.3 | | 2.5 | | 92 | 57-135 | | | | | |
| Surr: 4- BROMOFLU | IOROBENZENE | 2.35 | | 2.5 | | 94 | 52-151 | | | | | |

1509473-2

1509473-3

1509473-1

QC Page: 5 of 5

Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

October 07, 2015

Colby Sterling
Talon/LPE
1811 E Mulberry
Ft Collins, CO 80524

RE: Nelson A6/A7

Enclosed are the results of analyses for samples received by Summit Scientific on 10/07/15 09:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle Clements For Paul Shrewsbury

President



Talon/LPE 1811 E Mulberry

Ft Collins CO, 80524

Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 10/07/15 17:33

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SW-3A@8' | 1510039-01 | Soil | 10/06/15 09:45 | 10/07/15 09:20 |

Summit Scientific

1510039

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

| Client: Talon / LTG | * * R: | 11 4 | 1.26 | 1. | | | | | | | | | | | | | | | Page | of/_ |
|---------------------|--------------|--------------|----------------------|------|----------|----------|-----------------|-------------|----------|----------------------------------|-----------------|---------------|----------|--------------|----------|----------|-------------------------------------|---------------|--------------|----------------------|
| Address: | | | | | 7 | | | Pro | iect | Manager | 1 | " | | 1 | . , | , | | | | |
| City/State/Zip: | | | | | _ | _ | | EA | Anil: | ivianagei. (| | 2 | _ | > + 2 | / | ٠^, | _ | | | |
| Phone: | | Fax: | | | _ | _ | | Den | iani. | Manager: (C5+e/l: Name: N | 4 | . وح | 791 | 00 | re | c. | <u> </u> | | _ | |
| Sampler Name: 73 | | | | | | | | Pro | ject | Name: N | LIC | •• | A | 6/ | A | <u> </u> | | | | |
| Sample: Name. 7 | Grise | | | | | _ | | Pro | ject. | Number: 7 | 01 | 530 | . 0 | 24. | 0 | | _ | | | |
| | | | | I D | | | | _ | _ | | _ | _ | _ | _ | _ | _ | _ | | | |
| | | _ | | 1 | rese | rvat | ve | ⊢ | _ | Matrix | _ | ┺ | _ | | nal | yze I | or: | _ | | |
| Sample Description | Date Sampled | Time Sampled | Number of Containers | HCI | HNO3 | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | BTEX | GRO | PRO | | | | | | Special Instructions |
| 5W-34 @ 8' | 10-6-15 | 945 | 1 | | | | Ť | | K | | Ť | × | × | × | Н | \vdash | \vdash | 1 | +- | opecial instructions |
| | | | | Г | П | | | | | | \vdash | Н | | - | - | _ | - | - | + | 1 |
| | | | | ┰ | Н | Н | | Н | - | | \vdash | Н | | - | - | _ | ⊢ | ⊢ | +- | 1 |
| | | | _ | Н | Н | Н | \dashv | \dashv | - | | H | Н | - | _ | - | \vdash | ├- | ├- | - | |
| | | | | ⊢ | Н | Н | \dashv | - | Н | | _ | Н | | _ | _ | ⊢ | — | ┡- | _ | |
| | | | | Ι., | Н | | 4 | _ | _ | | | ш | _ | _ | \Box | L_ | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u> | _ | |
| | | | | ш | | Щ | | | _ | | | Lſ | | | | | | | | |
| | | | | | | | | | | | | . 1 | | | | | | | | |
| | | | | П | П | | П | | | | | П | \neg | | | | | $\overline{}$ | | |
| | | | | П | \neg | | ╗ | \neg | | | Н | Н | \neg | | | _ | _ | - | \leftarrow | |
| | | | | Н | \dashv | \dashv | ┪ | \dashv | \dashv | | - | Н | \dashv | \dashv | - | - | \vdash | - | - | |
| Relinguished by: | | Date | Time: | Rec | eived | bv. | _ | _ | _ | Date/Time | | Turn | Aro | nnd | Time | /Ch | | | _ | |
| My thiting | 10-7-1 | | | | . / | 5 | , at | 10- | 7- | 15 9:20 | , | Same 24 He | Day | | V | | | lours | П | Notes: |
| Reliminished by: | | Date/ | Time: | Rece | eived | þy: | | ^ | _ | Date/Time: | | 48 H | | ŀ | \dashv | | Stan | uaru | ч | í |
| 10-7-1 | 5 16 | 0:40 | (| M | eld | G | (| ٠ | 2 | 0/7/1 | 5 | Samp | | tegri | itv: | | | | o | |
| Relinquished by: | | Date/ | Time: | Rece | ived | in L | ab b | y: | | Date/Time: | | | | | | Recei | nt: | 13 | 60 | . |
| | | | | | | | | | | | | Intact | | Yes | | No | | • | -~ | |
| | | | | | | | | | | | | | | Z | Γ | Ť | | | | ľ |
| | | | | | _ | | | w c2 | naia | ntific.com | _ | | _ | \leftarrow | _ | _ | _ | _ | _ | |

Summit Scientific



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 10/07/15 17:33

SW-3A@8' 1510039-01 (Soil)

Summit Scientific

| Extractable | Petroloum | Hydrocarbons | by 8015 |
|-------------|-----------|--------------|---------|
| Extractable | Petroleum | HVOTOCATDONS | כוטה עם |

| | | | | Date Sa | mpled: 1 (|)/06/15 09: | 45 | | |
|---------------|--------|-----------|-------|----------|-------------------|-------------|----------|--------|-------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1510053 | 10/07/15 | 10/07/15 | 8015M | |

Date Sampled: 10/06/15 09:45

| | | Reporting | | | | | | | |
|------------------------|--------|-----------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: o-Terphenyl | | 102 % | 30-1 | 50 | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

| | | | | Date Sa | mpled: 1 (| 0/06/15 09: | :45 | | |
|-----------------------------|--------|--------------------|-------|----------|-------------------|-------------|----------|-----------|-------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Benzene | ND | 0.0020 | mg/kg | 1 | 1510052 | 10/07/15 | 10/07/15 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: 10/06/15 09:45

| | | Reporting | • | | | • | • | | |
|----------------------------------|--------|-----------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: 1,2-Dichloroethane-d4 | | 110 % | 23- | 173 | " | " | " | " | • |
| Surrogate: Toluene-d8 | | 98.8 % | 20- | 170 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 104 % | 21- | 167 | " | " | " | " | |

Summit Scientific

M Clement



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 10/07/15 17:33

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|-----------------------------------|--------|-------------|-------|----------|-----------|------------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1510053 - EPA 3550A | | | | | | | | | | |
| Blank (1510053-BLK1) | | | | Prepared | & Analyz | ed: 10/07/ | 15 | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | | - | | | | | |
| Surrogate: o-Terphenyl | 12.0 | | " | 12.2 | | 98.8 | 30-150 | | | |
| LCS (1510053-BS1) | | | | Prepared | & Analyze | ed: 10/07/ | 15 | | | |
| C10-C28 (DRO) | 477 | 50 | mg/kg | 499 | | 95.5 | 73-134 | | | |
| Surrogate: o-Terphenyl | 12.4 | | " | 12.2 | | 102 | 30-150 | | | |
| Matrix Spike (1510053-MS1) | Sou | rce: 151003 | 1-01 | Prepared | & Analyz | ed: 10/07/ | 15 | | | |
| C10-C28 (DRO) | 424 | 50 | mg/kg | 441 | 14.7 | 92.8 | 50-148 | | | |
| Surrogate: o-Terphenyl | 11.1 | | " | 10.8 | | 103 | 30-150 | | | |
| Matrix Spike Dup (1510053-MSD1) | Sou | rce: 151003 | 1-01 | Prepared | & Analyz | ed: 10/07/ | 15 | | | |
| C10-C28 (DRO) | 454 | 50 | mg/kg | 476 | 14.7 | 92.2 | 50-148 | 6.79 | 13 | |
| Surrogate: o-Terphenyl | 11.8 | | " | 11.6 | | 101 | 30-150 | | | |

Summit Scientific



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 10/07/15 17:33

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|---------------|-------|-----------|----------|----------|-------------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1510052 - EPA 5030 Soil MS | | | | | | | | | | |
| Blank (1510052-BLK1) | | | | Prepared: | 10/07/15 | Analyzed | l: 10/12/15 | | | |
| Benzene | ND | 0.0020 | mg/kg | | | | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.0050 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0444 | | " | 0.0396 | | 112 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0392 | | " | 0.0400 | | 97.9 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0419 | | " | 0.0400 | | 105 | 21-167 | | | |
| LCS (1510052-BS1) | | | | Prepared: | 10/07/15 | Analyzed | 1: 10/12/15 | | | |
| Benzene | 0.0977 | 0.0020 | mg/kg | 0.100 | | 97.7 | 58-130 | | | |
| Toluene | 0.0891 | 0.0050 | " | 0.100 | | 89.1 | 61-134 | | | |
| Ethylbenzene | 0.100 | 0.0050 | " | 0.0992 | | 101 | 74-139 | | | |
| m,p-Xylene | 0.185 | 0.010 | " | 0.200 | | 92.8 | 73-137 | | | |
| o-Xylene | 0.0924 | 0.0050 | " | 0.0984 | | 93.9 | 73-141 | | | |
| Xylenes (total) | 0.278 | 0.0050 | " | | | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 1.96 | 0.50 | " | | | | 30-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0452 | | " | 0.0396 | | 114 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0407 | | " | 0.0400 | | 102 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0399 | | " | 0.0400 | | 99.7 | 21-167 | | | |
| Matrix Spike (1510052-MS1) | So | ource: 151003 | 9-01 | Prepared: | 10/07/15 | Analyzed | 1: 10/12/15 | | | |
| Benzene | 0.0815 | 0.0020 | mg/kg | 0.0958 | ND | 85.1 | 30-131 | | | |
| Toluene | 0.0752 | 0.0050 | " | 0.0958 | ND | 78.5 | 30-134 | | | |
| Ethylbenzene | 0.0830 | 0.0050 | " | 0.0950 | ND | 87.3 | 22-153 | | | |
| m,p-Xylene | 0.154 | 0.010 | " | 0.191 | ND | 80.3 | 10-159 | | | |
| o-Xylene | 0.0750 | 0.0050 | " | 0.0943 | ND | 79.6 | 31-151 | | | |
| Xylenes (total) | 0.229 | 0.0050 | " | | ND | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 1.59 | 0.50 | " | | ND | | 30-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0462 | | " | 0.0379 | | 122 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0394 | | " | 0.0383 | | 103 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0377 | | " | 0.0383 | | 98.5 | 21-167 | | | |

Summit Scientific



Talon/LPE 1811 E Mulberry

Ft Collins CO, 80524

Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 10/07/15 17:33

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

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

Batch 1510052 - EPA 5030 Soil MS

| Matrix Spike Dup (1510052-MSD1) | Sou | rce: 151003 | 9-01 | Prepared: | 10/07/15 | Analyzed | 1: 10/12/15 | | |
|----------------------------------|--------|-------------|-------|-----------|----------|----------|-------------|------|----|
| Benzene | 0.0771 | 0.0020 | mg/kg | 0.0954 | ND | 80.8 | 30-131 | 5.59 | 34 |
| Toluene | 0.0725 | 0.0050 | " | 0.0954 | ND | 76.0 | 30-134 | 3.68 | 30 |
| Ethylbenzene | 0.0784 | 0.0050 | " | 0.0947 | ND | 82.8 | 22-153 | 5.71 | 24 |
| m,p-Xylene | 0.144 | 0.010 | " | 0.190 | ND | 75.3 | 10-159 | 6.76 | 68 |
| o-Xylene | 0.0699 | 0.0050 | " | 0.0939 | ND | 74.4 | 31-151 | 7.07 | 38 |
| Xylenes (total) | 0.213 | 0.0050 | " | | ND | | 30-150 | 6.86 | 20 |
| Gasoline Range Hydrocarbons | 1.55 | 0.50 | " | | ND | | 30-150 | 2.33 | 20 |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0468 | | " | 0.0378 | | 124 | 23-173 | | |
| Surrogate: Toluene-d8 | 0.0397 | | " | 0.0382 | | 104 | 20-170 | | |
| Surrogate: 4-Bromofluorobenzene | 0.0370 | | " | 0.0382 | | 97.0 | 21-167 | | |

Summit Scientific

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Talon/LPE Project: Nelson A6/A7

1811 E Mulberry Project Number: 701530.024.02

Reported: Ft Collins CO, 80524 Project Manager: Colby Sterling 10/07/15 17:33

Notes and Definitions

Analyte DETECTED DET

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

Sample results reported on a dry weight basis dry

RPD Relative Percent Difference

Summit Scientific Clement

Summit Scientific

741 Corporate Circle – Suite I ◆ Golden, Colorado 80401 303.277.9310 - laboratory ◆ 303.277.9531 - fax

November 20, 2015

Colby Sterling Talon/LPE 1811 E Mulberry Ft Collins, CO 80524

RE: Nelson A6/A7

Enclosed are the results of analyses for samples received by Summit Scientific on 11/13/15 15:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Shrewsbury

President



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

ANALYTICAL REPORT FOR SAMPLES

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|----------------|----------------|
| SP-1 | 1511117-01 | Soil | 11/13/15 12:28 | 11/13/15 15:40 |
| SP-2 | 1511117-02 | Soil | 11/13/15 12:30 | 11/13/15 15:40 |
| SP-3 | 1511117-03 | Soil | 11/13/15 12:37 | 11/13/15 15:40 |



Talon/LPE 1811 E Mulberry

Ft Collins CO, 80524

Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

Summit Scientific

1511117

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

| Address: | | | | Jh. | | | 3 | Proj | ect? | Manager: | Co | 164 | | 40 | 11: | 119 | | | | |
|--------------------|--------------|--------------|----------------------|------|----------------|-------|-----------------|-----------------|-------|-------------------------|-----------------|--------------|----------|------|------|------|------|--------------|---|----------------------|
| lity/State/Zip: | | | | _ | _ | | | PROPERTY | fail: | cotes | 1:0 | 5 | <u>a</u> | 40 | on | pe | | Me | | |
| hone: 970 - 8/8 | | | | - | | - | | _ | - | | | | | | A | | | | | |
| ampler Name: 1.16 | y ste | 11:03 | | | | | | Proj | ect? | Number: 7 | 101 | 536 | . 0 | 24. | 02 | _ | _ | _ | | |
| | | | | I Pi | reser | rvati | ve | | _ | Matrix | - | _ | _ | - | naly | ze F | or: | _ | | |
| Sample Description | Date Sampled | Time Sampled | Number of Containers | BCI | HNO, | None | Other (Specify) | Groundwater | Soil | Air - Canister Serial # | Other (Specify) | GRO | DRO | BTEX | | | | | | Special Instructions |
| 5P-1 | 11-13-15 | 1224 | 1 | | | | | | × | - | | X | x | · X | | | | | | |
| SP- 2 | 1 | 1230 | 1 | | | | | | 1 | - | | 1 | | 1 | | | | | | |
| SP-3 | 1 | (237 | | E | | | | | - | | | \vdash | _ | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| elinquished by: | (1) | -13-15 | /Time: | Rec | F | - | | -13 | -15 | Date/Time いらい | | Samo 24 H | Day | | Time | | 72 H | ours dard | × | Notes: |
| elinquished by: | 15 17: | 50 | Time: | Pu. | eivec eivec | B | | | 11/ | Date/Time | 50 | 48 H Sam | ple Ir | | ity: | | | | | |

Summit Scientific

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



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

SP-1 1511117-01 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

| | | Date Sampled: 11/13/15 12:28 | | | | | | | | | | | |
|---------------|--------|------------------------------|-------|----------|---------|----------|----------|--------|-------|--|--|--|--|
| | | Reporting | | | | | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511145 | 11/16/15 | 11/17/15 | 8015M | | | | | |

Date Sampled: 11/13/15 12:28

| | | Reporting | | | | | | | |
|------------------------|--------|-----------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: o-Terphenyl | | 107 % | 30-1 | 150 | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

| | | | | Date Sa | mpled: 11 | 1/13/15 12: | 28 | | |
|-----------------------------|--------|--------------------|-------|----------|-----------|-------------|----------|-----------|----------|
| Analyte | Result | Reporting Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Benzene | ND | 0.0020 | mg/kg | 1 | 1511151 | 11/16/15 | 11/18/15 | EPA 8260B | <u> </u> |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |

Date Sampled: 11/13/15 12:28

| | | Reporting | | | | • | | | |
|----------------------------------|--------|-----------|--------|----------|-------|----------|----------|--------|----------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: 1,2-Dichloroethane-d4 | | 114 % | 23-173 | | " | " | " | " | <u>.</u> |
| Surrogate: Toluene-d8 | | 95.8 % | 20 | 170 | " | " | " | " | |
| Surrogate: 4-Bromofluorobenzene | | 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.



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

SP-2 1511117-02 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

| | | Date Sampled: 11/13/15 12:30 | | | | | | | | | | | |
|---------------|--------|------------------------------|-------|----------|---------|----------|----------|--------|-------|--|--|--|--|
| | | Reporting | | | | | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes | | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511145 | 11/16/15 | 11/17/15 | 8015M | | | | | |

Date Sampled: 11/13/15 12:30

| | | Reporting | | | | | | | |
|------------------------|--------|-----------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: o-Terphenyl | | 109 % | 30-1 | 150 | " | " | " | " | |

Volatile Organic Compounds by EPA Method 8260B

| | Date Sa | ımpled: 11 | /13/15 12: | 30 | | |
|---|----------|------------|------------|----------|-----------|-------|
| | | | | | | |
| | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| 5 | 1 | 1511151 | 11/16/15 | 11/18/15 | EPA 8260B | |
| | " | " | " | " | " | |

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | N |
|-----------------------------|--------|--------|-------|----------|---------|----------|----------|-----------|---|
| Benzene | ND | 0.0020 | mg/kg | 1 | 1511151 | 11/16/15 | 11/18/15 | EPA 8260B | |
| Toluene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xylenes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |
| | | | | | | | | | |

Reporting

Date Sampled: 11/13/15 12:30

| | | Reporting | | | | | | | |
|----------------------------------|--------|-----------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: 1,2-Dichloroethane-d4 | | 114 % | 23- | 173 | " | " | " | " | - |
| Surrogate: Toluene-d8 | | 98.9 % | 20 | 170 | " | " | " | n . | |
| Surrogate: 4-Bromofluorobenzene | | 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.



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

SP-3 1511117-03 (Soil)

Summit Scientific

Extractable Petroleum Hydrocarbons by 8015

| | | | | Date Sa | mpled: 11 | /13/15 12: | 37 | | |
|---------------|--------|-----------|-------|----------|-----------|------------|----------|--------|----------|
| | | Reporting | | | | | | | |
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| C10-C28 (DRO) | ND | 50 | mg/kg | 1 | 1511145 | 11/16/15 | 11/17/15 | 8015M | <u>.</u> |

Date Sampled: 11/13/15 12:37

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

Volatile Organic Compounds by EPA Method 8260B

| | Date Sa | mpled: 11 | /13/15 12: | 37 | | |
|---|----------|-----------|------------|----------|-----------|-------|
| | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| 5 | 1 | 1511151 | 11/16/15 | 11/18/15 | EPA 8260B | |
| | " | " | " | " | " | |

| An | alyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | No |
|------|--------------------------|--------|--------|-------|----------|---------|----------|----------|-----------|----|
| Ben | zene | ND | 0.0020 | mg/kg | 1 | 1511151 | 11/16/15 | 11/18/15 | EPA 8260B | |
| Tolu | iene | ND | 0.0050 | " | " | " | " | " | " | |
| Ethy | ylbenzene | ND | 0.0050 | " | " | " | " | " | " | |
| Xyl | enes (total) | ND | 0.0050 | " | " | " | " | " | " | |
| Gas | oline Range Hydrocarbons | ND | 0.50 | " | " | " | " | " | " | |
| | | | | | | | | | | |

Reporting

Date Sampled: 11/13/15 12:37

| | | Reporting | | | | | | | |
|----------------------------------|--------|-----------|-------|----------|-------|----------|----------|--------|--------------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Surrogate: 1,2-Dichloroethane-d4 | | 112 % | 23- | 173 | " | " | " | " | . |
| Surrogate: Toluene-d8 | | 94.9 % | 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.



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

Extractable Petroleum Hydrocarbons by 8015 - Quality Control Summit Scientific

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------|--------|-------------|-------|-----------|----------|----------|------------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1511145 - EPA 3550A | | | | | | | | | | |
| Blank (1511145-BLK1) | | | | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| C10-C28 (DRO) | ND | 50 | mg/kg | | | | | | | |
| Surrogate: o-Terphenyl | 13.7 | | " | 12.2 | | 113 | 30-150 | | | |
| LCS (1511145-BS1) | | | | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| C10-C28 (DRO) | 470 | 50 | mg/kg | 499 | | 94.3 | 73-134 | | | |
| Surrogate: o-Terphenyl | 13.8 | | " | 12.2 | | 113 | 30-150 | | | |
| Matrix Spike (1511145-MS1) | Sou | rce: 151111 | 0-01 | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| C10-C28 (DRO) | 488 | 50 | mg/kg | 491 | 25.8 | 94.2 | 50-148 | | | |
| Surrogate: o-Terphenyl | 14.0 | | " | 12.0 | | 116 | 30-150 | | | |
| Matrix Spike Dup (1511145-MSD1) | Sou | rce: 151111 | 0-01 | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| C10-C28 (DRO) | 480 | 50 | mg/kg | 494 | 25.8 | 91.9 | 50-148 | 1.71 | 13 | |
| Surrogate: o-Terphenyl | 13.8 | | " | 12.1 | | 114 | 30-150 | | | |



Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

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

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|----------------------------------|--------|--------------|-------|-----------|----------|----------|------------|-----|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 1511151 - EPA 5030 Soil MS | | | | | | | | | | |
| Blank (1511151-BLK1) | | | | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| Benzene | ND | 0.0020 | mg/kg | - | | - | | | | |
| Toluene | ND | 0.0050 | " | | | | | | | |
| Ethylbenzene | ND | 0.0050 | " | | | | | | | |
| Xylenes (total) | ND | 0.0050 | " | | | | | | | |
| Gasoline Range Hydrocarbons | ND | 0.50 | " | | | | | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0469 | | " | 0.0396 | | 118 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0392 | | " | 0.0400 | | 98.0 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0401 | | " | 0.0400 | | 100 | 21-167 | | | |
| LCS (1511151-BS1) | | | | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| Benzene | 0.0830 | 0.0020 | mg/kg | 0.100 | | 83.0 | 58-130 | | | |
| Toluene | 0.0919 | 0.0050 | " | 0.100 | | 91.9 | 61-134 | | | |
| Ethylbenzene | 0.107 | 0.0050 | " | 0.0992 | | 108 | 74-139 | | | |
| m,p-Xylene | 0.209 | 0.010 | " | 0.200 | | 105 | 73-137 | | | |
| o-Xylene | 0.105 | 0.0050 | " | 0.0984 | | 107 | 73-141 | | | |
| Xylenes (total) | 0.314 | 0.0050 | " | | | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 2.66 | 0.50 | " | | | | 30-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0483 | | " | 0.0396 | | 122 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0390 | | " | 0.0400 | | 97.5 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0382 | | " | 0.0400 | | 95.6 | 21-167 | | | |
| Matrix Spike (1511151-MS1) | So | urce: 151111 | 1-02 | Prepared: | 11/16/15 | Analyzed | : 11/17/15 | | | |
| Benzene | 0.0828 | 0.0020 | mg/kg | 0.0980 | ND | 84.4 | 30-131 | | | |
| Toluene | 0.0903 | 0.0050 | " | 0.0980 | ND | 92.1 | 30-134 | | | |
| Ethylbenzene | 0.105 | 0.0050 | " | 0.0973 | ND | 108 | 22-153 | | | |
| m,p-Xylene | 0.202 | 0.010 | " | 0.196 | ND | 103 | 10-159 | | | |
| o-Xylene | 0.103 | 0.0050 | " | 0.0965 | ND | 107 | 31-151 | | | |
| Xylenes (total) | 0.306 | 0.0050 | " | | ND | | 30-150 | | | |
| Gasoline Range Hydrocarbons | 2.65 | 0.50 | " | | ND | | 30-150 | | | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0485 | | " | 0.0388 | | 125 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0385 | | " | 0.0392 | | 98.2 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0369 | | " | 0.0392 | | 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.

MM



Talon/LPE 1811 E Mulberry

Ft Collins CO, 80524

Project: Nelson A6/A7

Project Number: 701530.024.02 Project Manager: Colby Sterling **Reported:** 11/20/15 06:42

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

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

Batch 1511151 - EPA 5030 Soil MS

| Matrix Spike Dup (1511151-MSD1) | Sou | rce: 151111 | 1-02 | Prepared: | 11/16/15 | Analyzed | 1: 11/17/15 | | | |
|----------------------------------|--------|-------------|-------|-----------|----------|----------|-------------|-------|----|--|
| Benzene | 0.0783 | 0.0020 | mg/kg | 0.0975 | ND | 80.3 | 30-131 | 5.57 | 34 | |
| Toluene | 0.0869 | 0.0050 | " | 0.0975 | ND | 89.1 | 30-134 | 3.83 | 30 | |
| Ethylbenzene | 0.104 | 0.0050 | " | 0.0967 | ND | 108 | 22-153 | 0.418 | 24 | |
| m,p-Xylene | 0.204 | 0.010 | " | 0.195 | ND | 105 | 10-159 | 0.913 | 68 | |
| o-Xylene | 0.103 | 0.0050 | " | 0.0959 | ND | 107 | 31-151 | 0.131 | 38 | |
| Xylenes (total) | 0.307 | 0.0050 | " | | ND | | 30-150 | 0.562 | 20 | |
| Gasoline Range Hydrocarbons | 2.70 | 0.50 | " | | ND | | 30-150 | 1.83 | 20 | |
| Surrogate: 1,2-Dichloroethane-d4 | 0.0473 | | " | 0.0386 | | 122 | 23-173 | | | |
| Surrogate: Toluene-d8 | 0.0373 | | " | 0.0390 | | 95.6 | 20-170 | | | |
| Surrogate: 4-Bromofluorobenzene | 0.0372 | | " | 0.0390 | | 95.4 | 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 Project: Nelson A6/A7

1811 E Mulberry Project Number: 701530.024.02 Ft Collins CO, 80524 Project Manager: Colby Sterling

Project Number: 701530.024.02 **Reported:**Project Manager: Colby Sterling 11/20/15 06:42

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

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