Stantec Consulting Services Inc.
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September 9, 2016
File: 212201118

Attention: Mr. Carlos Lujan, Ph.D.
Environmental Protection Specialist
Northwest Region
State of Colorado Oil and Gas
Conservation Commission
796 Megan Avenue Suite 201
Rifle, CO 81650

Reference: REM 9622, Location ID #443091; Interim Documentation Report for 2016 Remediation Activities at Wilson Creek NE Terraced Area, Meeker, Colorado

Dear Mr. Lujan,

Stantec Consulting Services Inc. (Stantec), on behalf of Chevron Environmental Management Company (Chevron), has prepared the following letter to provide the Colorado Oil and Gas Conservation Commission (COGCC) with an interim summary of reclamation activities conducted in 2016 at the Northeast (NE) Terraced Area within the Wilson Creek Unit located at 7265 Rio Blanco County Road #9, Meeker, Colorado (Site). The NE Terraced Area is referenced as REM 9622, Location ID #443091.

Stantec prepared a reclamation work plan (Work Plan) for the NE Terraced Area in March 2016, which proposed additional subsurface assessment followed by soil abatement primarily by excavation and off-site disposal. The COGCC provided notification of conditional approval of the Work Plan via email on April 27, 2016. Chevron and Stantec resolved final details of the Conditions of Approval (COA) with the COGCC. Stantec developed an addendum to the Work Plan to address the COA (Addendum). The Addendum was submitted to, and approved by, the COGCC on May 20, 2016.

The schedule proposed in the Work Plan indicated that the complete soil assessment and reclamation of two of the seven terraces would take place in 2016. The Work Plan further indicated that the remaining terraces would be addressed in 2017, with a documentation report being prepared late 2017 after the field work was complete. However, Stantec would like to offer this interim summary of 2016 activities at this time.

The following sections provide basic details regarding project summary including schedule information; results from the subsurface assessment; excavation details; and impacted soil disposal information as outlined in the Work Plan and as requested by the COGCC. Please note that the

Reference: REM 9622, Location ID #443091; Interim Documentation Report for 2016 Remediation Activities at Wilson Creek NE Terraced Area, Meeker, Colorado

2016 activities did not include any on-site treatment or processing of impacted soil/waste. Final seeding did not occur in 2016 and thus, copies of seed tags are not available at this time.

PROJECT SUMMARY AND SCHEDULE

The 2016 activities included conducting the design and planning work required to safely and effectively execute the Work Plan, as well as conducting remedial excavations at Terraces 6 and 7. The 2016 activities match the schedule proposed in the Work Plan, and were divided into three main phases of work as described below.

The first phase consisted of collecting topographic survey and utility location data to prepare a construction work plan to guide the sequencing and methodology of the excavation activities. The first phase included the pre-work planning during which storm water protection and other regulatory permitting considerations were addressed.

The second phase consisted of gathering additional soil assessment data to define applicable constituents of concern (COCs) and tentative limits of excavation. Site improvements such as access roads, storm water protection best management practices (BMPs), soil stockpiling areas, and a truck loading turn-around area were constructed to facilitate the excavation activities. **Figure 1** provides a Site map of the area illustrating the location of pertinent Site improvements.

The third phase consisted of excavation of soils documented during the assessment activities to exceed COGCC regulatory guidelines at Terraces 6 and 7. After the impacted soils were excavated, confirmation samples were collected and the excavation limits were surveyed. The excavations were backfilled and closed in the interim. Final surface reclamation, including revegetation, will occur in 2017 following the excavation of the remaining five terraces.

The 2016 activities were conducted in accordance with the Work Plan and Addendum. **Appendix A** includes several representative photos of the 2016 activities.

A summary of the 2016 activity schedule is provided below:

- The area experienced a late snow melt and a wet spring. As such, the field work was initiated during the week of June 6th.

- Week June 6th tasks:
    - Collected topographical survey data
    - Prepared a draft construction work plan
    - Began addressing storm water and United States Army Corps of Engineers (USACE) permitting issues

- Week June 13th tasks:
    - Continued topographical survey data collection
    - Prepared draft construction figures and topographic maps

Reference: REM 9622, Location ID #443091; Interim Documentation Report for 2016 Remediation Activities at Wilson Creek NE Terraced Area, Meeker, Colorado

  - Scoped Site improvements required for safe Site access
  - Met with construction and trucking contractors on-site to review scope of work
  - Conducted 811 utility locate meeting on-site with utility members
  - Conducted private utility locate of work zone
  - Conducted Phase I of the soil assessment as described in the Addendum

- Week June 20th tasks:
  - No field activities conducted
  - Finished addressing storm water and USACE permitting issues
  - Revised construction work plan and refined figures
  - Solicited seed mix recommendation from Bureau of Land Management (BLM)

- Week June 27th tasks:
  - Initiated Site improvements to facilitate field work
  - Completed Hydrovac to expose near-surface piping to facilitate removal

- Week July 4th tasks:
  - Continued Site improvements and pipeline removal
  - Began construction of storm water protection BMPs

- Week July 11th tasks:
  - Began Phase II soil assessment with Geoprobe rig
  - Completed pipeline removal
  - Conducted vegetation clearing
  - Constructed soil stockpiling and staging area
  - Completed primary and secondary access road improvements

- Week July 18th tasks:
  - Completed Phase II soil assessment
  - Conducted remedial excavation and confirmation sample collection at Terrace 7
  - Began backfilling Terrace 7
  - Conducted remedial excavation and confirmation sample collection at Terrace 6
  - Began hauling impacted soils off-site for disposal

- Week July 25th tasks:
  - Completed backfilling Terraces 6 and 7
  - Completed hauling impacted soils off-site for disposal
  - Completed interim surface reclamation to last until field season 2017 (e.g., erosion management and BMP preparation)
  - Demobilized staff and equipment from the Site

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SUBSURFACE ASSESSMENT

The 2016 soil assessment was divided into two phases and the assessment locations are shown on **Figure 2**. The 2016 assessment activities and results are summarized below.

PHASE I

Phase I was conducted June 15 and 16, 2016, and consisted of a total of seven hand auger borings (one at each terrace) for the primary purpose of determining the appropriate COCs for the remainder of the project. Three[1] soil samples were collected from each of the seven borings:

- One sample was collected from the non-impacted overburden soil and analyzed for total petroleum hydrocarbons (TPH) to document the transition between impacted and non-impacted soil strata.
- One sample was collected from the most apparently impacted layer and analyzed for the full Table 910 soil analytical suite.
- One sample was collected from beneath the impacted layer to document the apparent depth of impacts. This sample was analyzed for the full Table 910 soil analytical suite.

Analytical results from the Phase I assessment are tabulated in **Tables 1 and 2**. Boring logs and laboratory reports from Phase I activities are included in **Appendices B and C**, respectively.

Examination of the Phase I data in **Tables 1 and 2** indicates:

- An approximate 4-foot thick layer of non-impacted overburden soil exists at all seven terraces.
- Phase I borings were conducted at locations of TPH exceedances.
- One detection of dibenzo (a,h) anthracene was reported above Table 910 criteria, and above laboratory reporting limits, at Terrace 1. This result coincided with a TPH exceedance.
- Several organic constituents had laboratory reporting limits above Table 910 criteria. The laboratory was consulted before and after sample collection in efforts to avoid this.
- All results for arsenic were above the Table 910 criteria of 0.39 milligrams per kilogram (mg/kg), but were below the project-specific target concentration of 10 mg/kg.
- Collectively, Phase I results were interpreted as indicating that TPH is the appropriate COC to guide remedial excavations at the NE Terrace Area.

[1] Please note, only two samples were collected from the Phase I boring at Terrace 3 due to a subsurface obstruction.

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PHASE II

Phase II was conducted between July 11 and 20, 2016, and consisted of a total of 81 Geoprobe borings for the primary purposes of further delineating soil impacts at the seven terraces and documenting subsurface conditions prior to excavation. In general, up to two soil samples were collected from each of the 81 borings:

- One sample was collected from the most apparently impacted layer and analyzed for TPH.
    - If it was apparent that the location was non-impacted based on field observations, one sample was collected and analyzed for TPH to document conditions.
- One sample was collected from beneath the impacted layer to document the apparent depth of impacts. This sample was analyzed for TPH.

Analytical results from the Phase II assessment are tabulated in **Table 1**. Boring logs and laboratory reports from Phase II activities are included in **Appendices B and C**, respectively.

Examination of the Phase II data in **Table 1** indicates:

- Locations of TPH exceedances are present at each of the seven terraces.
- Impacts are limited to the top 15 feet of the soil stratum.

EXCAVATION DETAILS

Excavations at Terraces 6 and 7 were planned and conducted to remove soils documented as being above pertinent regulatory criteria, and soils perceived to be above regulatory criteria. The following section provides an overview of the process conducted to meet this objective.

- Results from the 2007, 2013, and 2016 assessments were used to develop preliminary excavation plans for each terrace. The preliminary excavation plans were designed to encompass known areas of TPH exceedance within the proposed excavation envelope.
- The proposed excavation envelope was survey-staked in the field, and then the clean overburden was stripped and stockpiled.
- The excavation envelope was then excavated. Impacted soils were loaded into off-road trucks and transported down the valley to the stockpiling area shown on **Figure 1.**
- After the known areas of impacts were removed, additional excavation was conducted, as needed based on field observations, to remove additional impacts.

Reference: REM 9622, Location ID #443091; Interim Documentation Report for 2016 Remediation Activities at Wilson Creek NE Terraced Area, Meeker, Colorado

- Three confirmation samples from each excavation were then collected and analyzed for the full Table 910 soil analytical suite. These samples were biased to areas perceived most likely impacted.
    - Sample results from the confirmation samples are shown on **Tables 3 and 4**. Results indicate that the samples met regulatory targets.
- The excavation extent was surveyed after collection of confirmation samples and the excavation was backfilled.
    - The excavations were backfilled with a combination of clean overburden and off-site import soils. Representative samples of off-site import materials were collected and analyzed for the full Table 910 soil analytical suite to document suitability for use on-site. Results from these samples are shown on **Tables 3 and 4**. Results indicate that the samples met regulatory targets.

Figures 3 and 4 illustrate the as-built excavation details for Terraces 6 and 7, respectively. These figures show the locations and results of the assessment and confirmation samples relative to the surveyed excavation extents.

IMPACTED SOIL DISPOSAL INFORMATION

Impacted soils were temporarily stockpiled at the toe of the valley below the terraces as shown on **Figure 1**. A wheel loader was then used to load these soils into on-road haul trucks for transportation to the RN Industries (RNI) Piceance Creek facility in Meeker, Colorado.

All soils excavated in 2016 determined to be impacted were hauled to the RNI facility for disposal. No soil blending or treatment of impacted soil took place on-site in 2016 as part of this work.

Based on RNI's records, a total of 75 loads were delivered between July 20 and 29, 2016 totaling 744 cubic yards of soil. A redacted copy of RNI's invoice is included as **Appendix D**.

CLOSING

Field activities are expected to resume in approximately June 2017 using methods and techniques developed in 2016 and in accordance with the Work Plan and Addendum.

A reclamation documentation report will be prepared and submitted to the COGCC after the field work is executed in 2017.

A closure request will be filed after successful completion of reclamation indicating the area is ready for inspection (after the area has been successfully revegetated and has been returned to conditions approximating or equal to that which existed prior to the disturbance).

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Please do not hesitate to contact the project team if you have additional questions regarding the 2016 activities completed or the proposed plans for the remainder of the project.

Regards,

STANTEC CONSULTING SERVICES INC.

Seth Maher, PE
Senior Engineer
Phone: (517) 349-9499 ext 276
Seth.Maher@stantec.com

Attachments:

Figure 1: Site Map
Figure 2: 2016 Assessment Locations
Figure 3: Terrace 6 As-Built Excavation Details
Figure 4: Terrace 7 As-Built Excavation Details

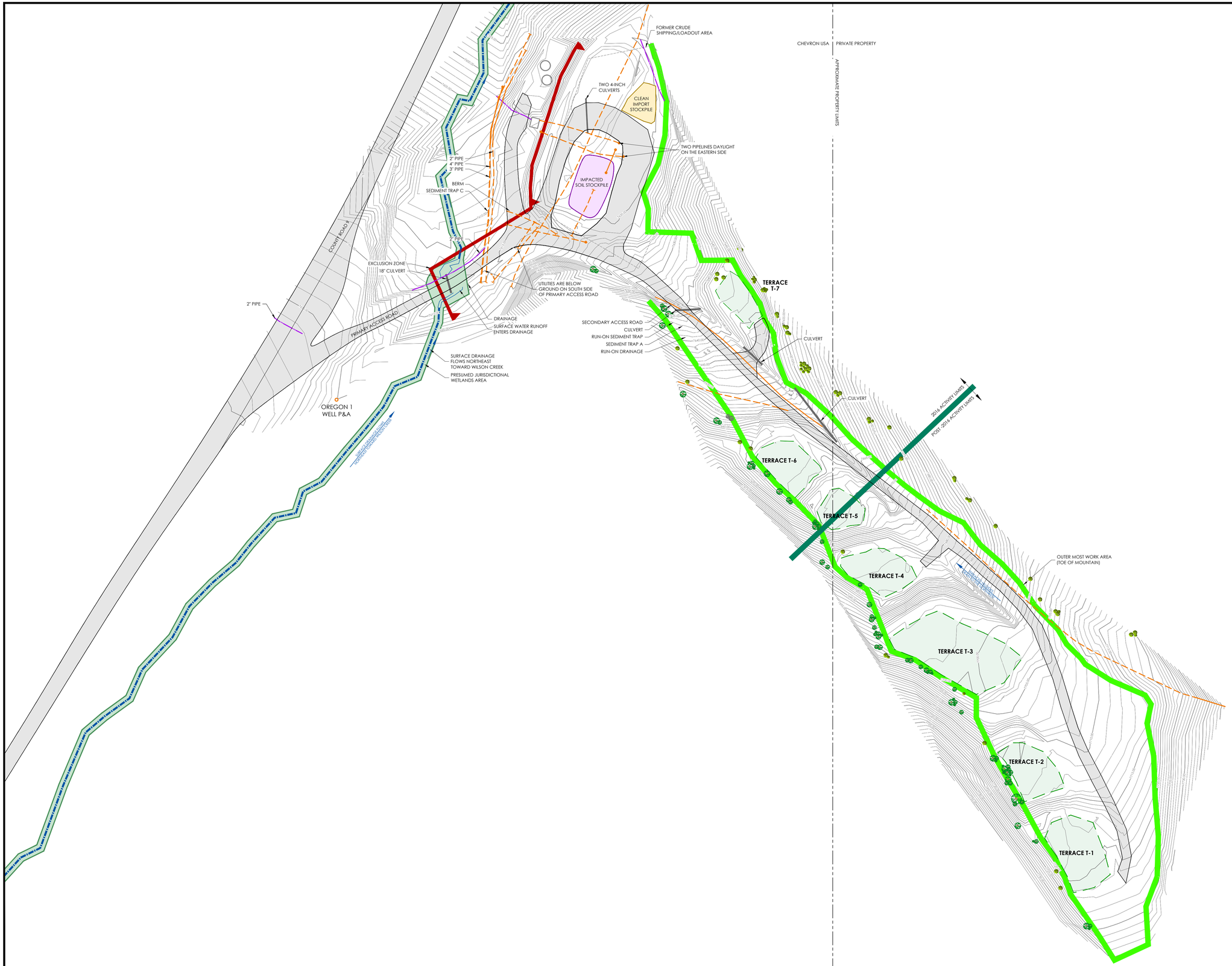
Table 1: Soil Sample Results For Organic Compounds - Phase I and Phase II Data
Table 2: Soil Sample Results For Inorganic Compounds and Metals - Phase I Data
Table 3: Soil Sample Results For Organic Compounds - Borrow Source Data and Confirmatory Sample Data
Table 4: Soil Sample Results For Inorganic Compounds and Metals - Borrow Source Data and Confirmatory Sample Data

Appendix A: Photos
Appendix B: Boring Logs
Appendix C: Laboratory Reports
Appendix D: RNI Record

cc. Marcelo Barberis, Chevron
Chris Beall, Stantec

Reference: REM 9622, Location ID #443091; Interim Documentation Report for 2016 Remediation Activities at Wilson Creek NE Terraced Area, Meeker, Colorado

Figures



LEGEND

- PIPING LOCATION - UNDERGROUND AND IN SCOPE OF WORK
- PIPING LOCATING - ABOVE GROUND AND IN SCOPE OF WORK
- PIPING LOCATION - UNDERGROUND AND OUT OF SCOPE
- APPROXIMATE TERRACE BOUNDARY (SURVEYED IN FIELD)
- SURFACE DRAINAGE
- VEGETATION - TREE
- VEGETATION - SHURB
- OUTER MOST WORK AREA (TOE OF MOUNTAIN)
- CLEAN IMPORT STOCKPILE
- IMPACTED SOIL STOCKPILE
- PRESUMED JURISDICTIONAL WETLANDS AREA
- EXCLUSION ZONE SHOWING DIRECTION

NOTES

THE APPROXIMATE PROPERTY BOUNDARY WAS OBTAINED FROM RIO BLANCO COUNTY ASSESSOR DATA SITE (2016).

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APPROXIMATE SCALE IN FEET

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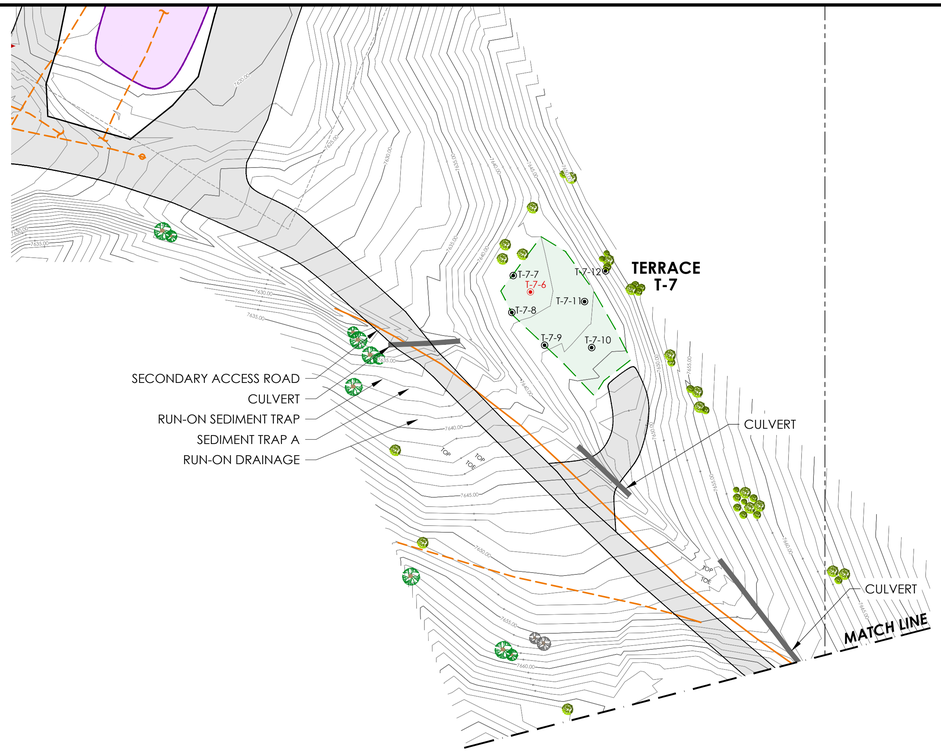
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SITE MAP

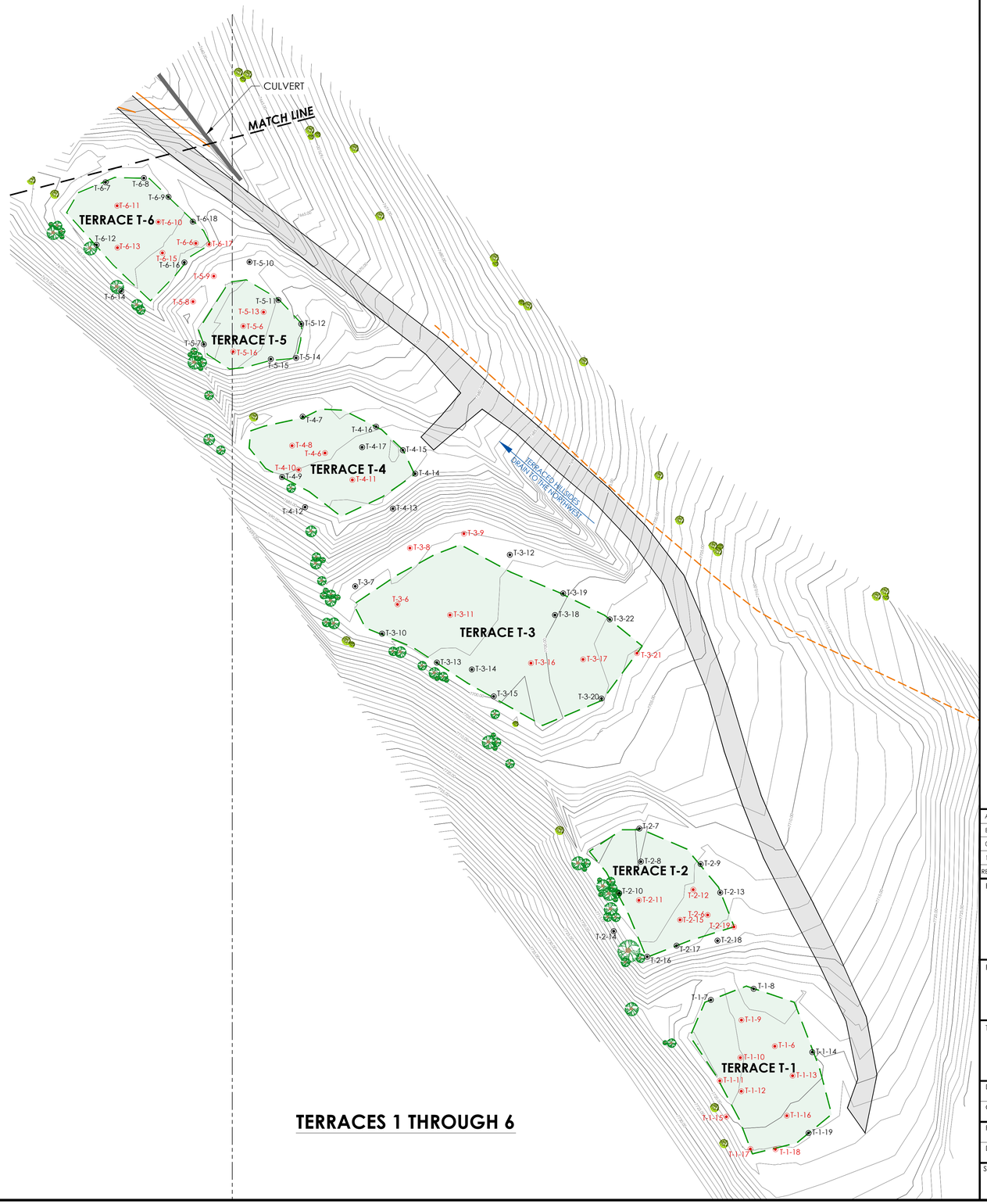
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TERRACE 7



TERRACES 1 THROUGH 6

LEGEND

- PIPING LOCATION - UNDERGROUND AND IN SCOPE OF WORK
- PIPING LOCATING - ABOVE GROUND AND IN SCOPE OF WORK
- PIPING LOCATION - UNDERGROUND AND OUT OF SCOPE
- APPROXIMATE TERRACE BOUNDARY (SURVEYED IN FIELD)
- VEGETATION - TREE
- VEGETATION - SHURB
- PRESUMED JURISDICTIONAL WETLANDS AREA
- SOIL SAMPLE LOCATION
- TOTAL TPH CONCENTRATION ABOVE THE COLORADO OIL AND GAS CONSERVATION COMMISSION (COGCC) SERIES 900 ALLOWABLE CONCENTRATION OF 500 mg/kg

TPH — TOTAL PETROLEUM HYDROCARBONS

mg/kg — MILLIGRAMS PER KILOGRAM

NOTES

THE APPROXIMATE PROPERTY BOUNDARY WAS OBTAINED FROM RIO BLANCO COUNTY ASSESSOR DATA SITE (2016).

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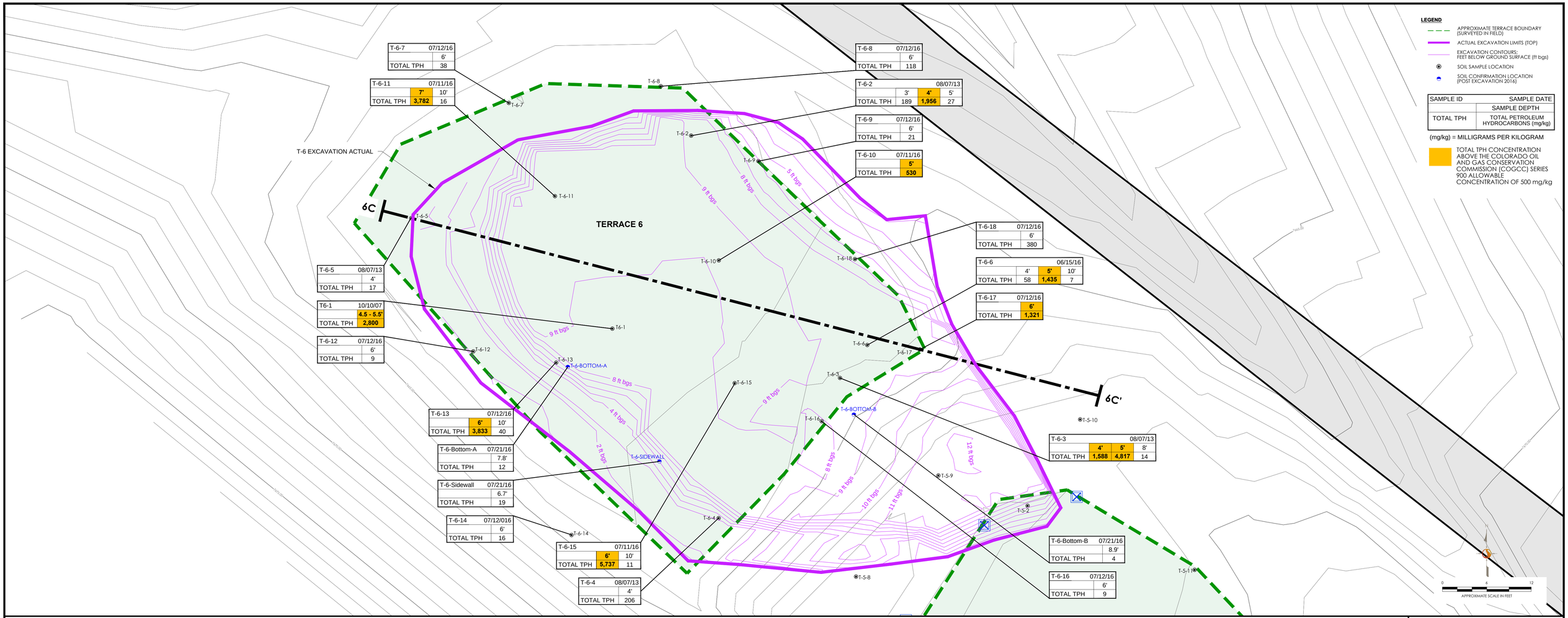
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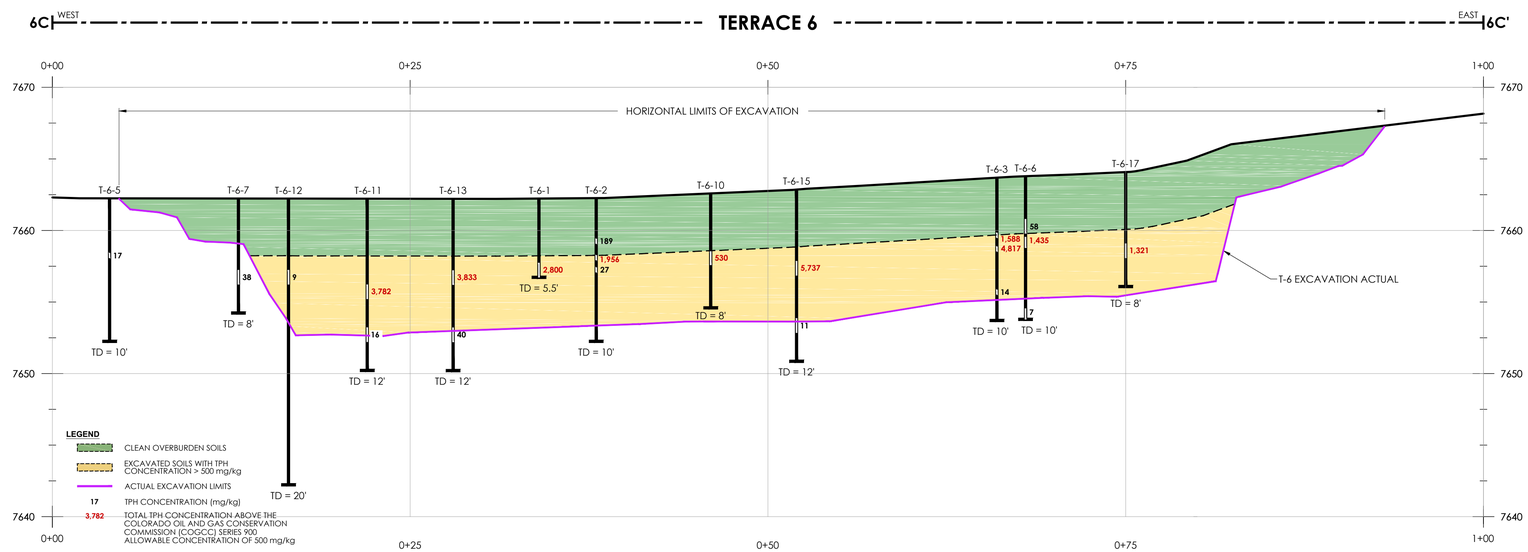
2016 ASSESSMENT LOCATIONS

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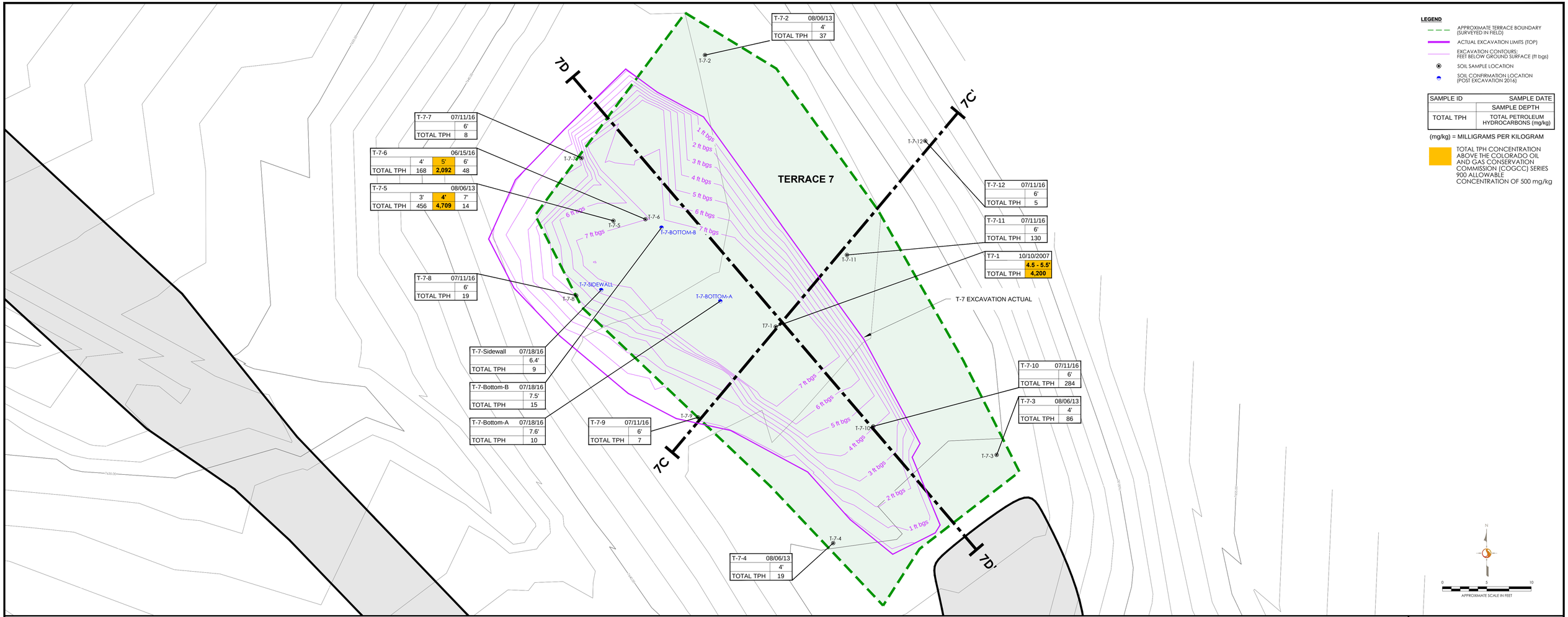
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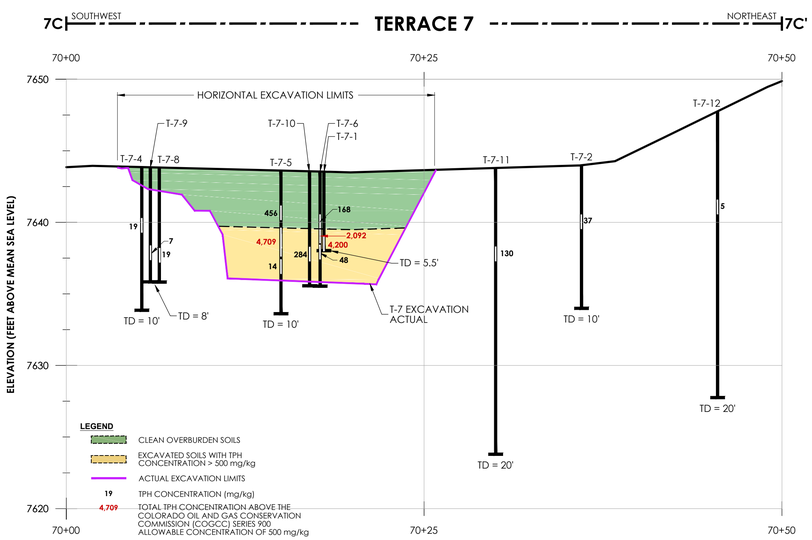
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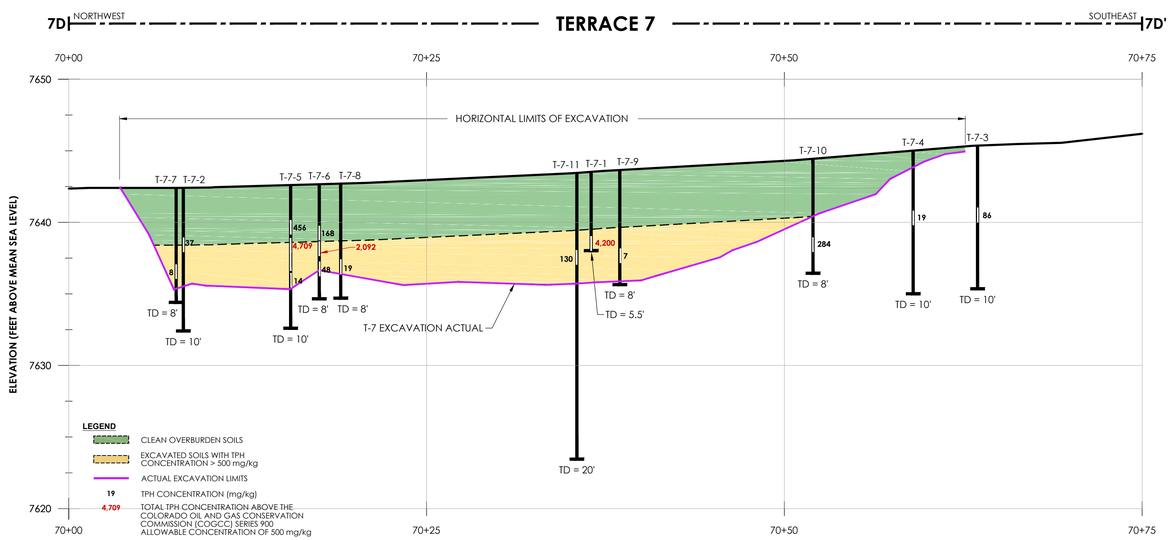
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TITLE:
TERRACE 7 AS-BUILT EXCAVATION DETAILS

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Tables

Table 1
Soil Sample Results For Organic Compounds - Phase I and Phase II Data
Northeast (NE) Terraced Area
Wilson Creek Unit, Rio Blanco County, Colorado

Sample ID	Sample Depth (feet bgs)	Sample Date	TPH GRO (C6-C10) (mg/kg)	TPH DRO (C10-C32) (mg/kg)	TPH DRO (C32-C36) (mg/kg)	Total TPH (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	p,m-Xylene (mg/kg)	o-Xylene (mg/kg)	Acenaphthene (mg/kg)	Anthracene (mg/kg)	Benzo(a) anthracene (mg/kg)	Benzo(a) pyrene (mg/kg)	Benzo(b) fluoranthene (mg/kg)	Benzo(k) fluoranthene (mg/kg)	Chrysene (mg/kg)	Dibenzo(a,h) anthracene (mg/kg)	Fluoranthene (mg/kg)	Fluorene (mg/kg)	Indeno (1,2,3-cd) pyrene (mg/kg)	Naphthalene (mg/kg)	Pyrene (mg/kg)
COGCC Allowable Concentrations and Levels			--	--	--	500	0.17	85	100	175	175	1,000	1,000	0.22	0.022	0.22	2.2	22	0.022	1,000	1,000	0.22	23	1,000
Analytical Method			SW8015M	SW8015M	SW8015M	SW8015M	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW8270D	SW8270D	SW8270D	E625-SIMS	SW8270D	SW8270D	SW8270D	E625-SIMS	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
Phase I																								
T-1-6_4'_20160616	4	06/16/16	<8	86	15	101	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-6_6'_20160616	6	06/16/16	99	8,826	601	**9,526**	<0.08	<0.08	0.3	<0.2	<0.08	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	0.4	**0.03**	<0.3	0.4	**<0.3**	0.8	<0.3
T-1-6_7.5'_20160616	7.5	06/16/16	<8	<4	<4	<8	<0.08	<0.08	<0.08	<0.2	<0.08	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-2-6_4'_20160616	4	06/16/16	<8	94	18	112	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-6_6'_20160616	6	06/16/16	194	2,727	126	**3,047**	<0.09	<0.09	0.76	1.5	<0.09	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	0.4	<0.3
T-2-6_6.5'_20160616	6.5	06/16/16	<7	6	<4	6	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-3-6_4'_20160616	4	06/16/16	<8	92	23	115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-6_5.75'_20160616	5.75	06/16/16	73	2,884	164	**3,121**	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-4-6_4'_20160615	4	06/15/16	<8	149	17	166	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-6_7'_20160615	7	06/15/16	630	9,628	491	**10,749**	**<0.8**	<0.8	3.8	22	<0.8	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	0.6	<0.02	<0.3	0.6	**<0.3**	2.3	<0.3
T-4-6_8.5'_20160615	8.5	06/15/16	<7	50	5	55	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-5-6_4'_20160615	4	06/15/16	<8	235	35	270	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-6_7'_20160615	7	06/15/16	185	4,417	282	**4,884**	<0.08	<0.08	1.12	1.4	<0.08	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	0.5	<0.3
T-5-6_9'_20160615	9	06/15/16	<8	10	<4	10	<0.08	<0.08	<0.08	<0.2	<0.08	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-6-6_4'_20160615	4	06/15/16	<7	58	<13	58	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-6_5'_20160615	5	06/15/16	13	1,352	70	**1,435**	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-6-6_10'_20160615	10	06/15/16	<8	7	<4	7	<0.08	<0.08	<0.08	<0.2	<0.08	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-7-6_4'_20160615	4	06/15/16	<8	147	21	168	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-6_5'_20160615	5	06/15/16	13	1,962	117	**2,092**	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
T-7-6_6'_20160615	6	06/15/16	<7	48	<4	48	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	**<0.3**	<0.02	**<0.3**	<0.3	<0.3	<0.02	<0.3	<0.3	**<0.3**	<0.3	<0.3
Phase II																								
T-1-7_8'_20160720	8	07/20/16	<8	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-8_8'_20160720	8	07/20/16	<7	4	<4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-9_6'_20160719	6	07/19/16	<7	3,050	714	**3,764**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-10_7'_20160719	7	07/19/16	58	3,879	552	**4,489**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-10_9'_20160719	9	07/19/16	34	1,737	308	**2,079**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-11_6'_20160720	6	07/20/16	260	4,050	390	**4,700**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-11_10'_20160720	10	07/20/16	<7	7	<4	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-12_7'_20160719	7	07/19/16	202	1,834	179	**2,215**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-12_11'_20160719	11	07/19/16	<8	11	<4	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-13_7'_20160719	7	07/19/16	182	7,160	698	**8,040**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-13_11'_20160719	11	07/19/16	<8	<4	<4	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-14_8'_20160720	8	07/20/16	<7	4	<4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-15_8'_20160720	8	07/20/16	92	14,409	1,375	**15,876**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-15_10'_20160720	10	07/20/16	<6	6	<4	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-16_7'_20160719	7	07/19/16	6,300	112,000	12,000	**130,300**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-16_15'_20160719	15	07/19/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-17_5'_20160720	5	07/20/16	45	3,672	400	**4,117**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-18_6'_20160719	6	07/19/16	<7	3,355	514	**3,869**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-18_7'_20160719	7	07/19/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-1-19_8'_20160719	8	07/19/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-7_6'_20160719	6	07/19/16	<7	22	8	30	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-8_8'_20160718	8	07/18/16	<8	4	<4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-9_6'_20160719	6	07/19/16	<8	7	<4	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-10_8'_20160718	8	07/18/16	<6	<4	<4	<6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-11_7'_20160718	7	07/18/16	139	2,497	196	**2,832**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-11_9'_20160718	9	07/18/16	190	1,370	122	**1,682**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-12_7'_20160718	7	07/18/16	205	2,710	217	**3,132**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-12_8'_20160718	8	07/18/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-13_6'_20160719	6	07/19/16	<7	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Soil Sample Results For Organic Compounds - Phase I and Phase II Data
Northeast (NE) Terraced Area
Wilson Creek Unit, Rio Blanco County, Colorado

Sample ID	Sample Depth (feet bgs)	Sample Date	TPH GRO (C6-C10)	TPH DRO (C10-C32)	TPH DRO (C32-C36)	Total TPH	Benzene	Toluene	Ethylbenzene	p,m-Xylene	o-Xylene	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Pyrene
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COGCC Allowable Concentrations and Levels			--	--	--	500	0.17	85	100	175	175	1,000	1,000	0.22	0.022	0.22	2.2	22	0.022	1,000	1,000	0.22	23	1,000
Analytical Method			SW8015M	SW8015M	SW8015M	SW8015M	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW8270D	SW8270D	SW8270D	E625-SIMS	SW8270D	SW8270D	SW8270D	E625-SIMS	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
T-2-14_2'_20160718	2	07/18/16	<6	6	<4	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-15_7'_20160718	7	07/18/16	230	3,790	270	**4,290**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-15_9'_20160718	9	07/18/16	140	2,271	211	**2,622**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-16_7'_20160719	7	07/19/16	<6	<4	<4	<6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-17_7'_20160719	7	07/19/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-18_6'_20160719	6	07/19/16	<7	9	<4	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-2-19_5'_20160719	5	07/19/16	57	5,327	366	**5,750**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-7_8'_20160715	8	07/15/16	<10	11	4	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-8_11'_20160715	11	07/15/16	280	2,140	170	**2,590**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-8_12'_20160715	12	07/15/16	<7	6	<4	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-9_11'_20160715	11	07/15/16	710	1,893	184	**2,787**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-9_15'_20160715	15	07/15/16	<7	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-10_8'_20160715	8	07/15/16	<8	14	<4	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-11_12'_20160715	12	07/15/16	150	1,020	80	**1,250**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-11_15'_20160715	15	07/15/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-12_9'_20160715	9	07/15/16	<8	17	<4	17	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-13_8'_20160715	8	07/15/16	<7	10	<4	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-14_8'_20160715	8	07/15/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-15_8'_20160718	8	07/18/16	<6	<4	<4	<6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-16_8'_20160715	8	07/15/16	600	2,252	180	**3,032**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-16_9'_20160715	9	07/15/16	44	1,128	107	**1,279**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-17_6'_20160715	6	07/15/16	18	623	79	**720**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-18_8'_20160715	8	07/15/16	<8	169	29	198	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-18_9'_20160715	9	07/15/16	<7	230	38	268	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-19_9'_20160715	9	07/15/16	<7	14	8	22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-20_8'_20160718	8	07/18/16	<7	4	<4	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-21_7'_20160715	7	07/15/16	41	2,782	265	**3,088**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-3-22_9'_20160715	9	07/15/16	<7	7	<4	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-7_6'_20160713	6	07/13/16	<7	7	<4	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-8_6'_20160713	6	07/13/16	550	13,209	977	**14,736**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-8_10'_20160713	10	07/13/16	<8	<4	<4	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-9_6'_20160713	6	07/13/16	<7	9	<4	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-10_7'_20160713	7	07/13/16	570	3,716	335	**4,621**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-10_10'_20160713	10	07/13/16	<8	6	<4	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-11_9'_20160712	9	07/12/16	51	1,205	116	**1,372**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-11_10'_20160712	10	07/12/16	<7	7	<4	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-12_6'_20160713	6	07/13/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-13_7'_20160713	7	07/13/16	23	254	32	309	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-13_10'_20160713	10	07/13/16	<7	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-14_6'_20160713	6	07/13/16	<8	<4	<4	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-15_6'_20160713	6	07/13/16	<8	<4	<4	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-16_6'_20160713	6	07/13/16	<7	74	11	85	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-17_8'_20160712	8	07/12/16	201	112	14	327	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-4-17_10'_20160712	10	07/12/16	<7	7	4	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-7-6'-20160714	6	07/14/16	<8	45	12	57	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-8-10'-20160714	10	07/14/16	1,160	4,802	371	**6,333**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-8-15'-20160714	15	07/14/16	<7	9	6	15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-9-10'-20160714	10	07/14/16	998	5,895	380	**7,273**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-9-15'-20160714	15	07/14/16	<7	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-10-8'-20160714	8	07/14/16	<7	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-11-6'-20160714	6	07/14/16	<7	6	<4	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 1
Soil Sample Results For Organic Compounds - Phase I and Phase II Data
Northeast (NE) Terraced Area
Wilson Creek Unit, Rio Blanco County, Colorado

Sample ID	Sample Depth (feet bgs)	Sample Date	TPH GRO (C6-C10)	TPH DRO (C10-C32)	TPH DRO (C32-C36)	Total TPH	Benzene	Toluene	Ethylbenzene	p,m-Xylene	o-Xylene	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Pyrene
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COGCC Allowable Concentrations and Levels			--	--	--	500	0.17	85	100	175	175	1,000	1,000	0.22	0.022	0.22	2.2	22	0.022	1,000	1,000	0.22	23	1,000
Analytical Method			SW8015M	SW8015M	SW8015M	SW8015M	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW5035A/ 8260C	SW8270D	SW8270D	SW8270D	E625-SIMS	SW8270D	SW8270D	SW8270D	E625-SIMS	SW8270D	SW8270D	SW8270D	SW8270D	SW8270D
T-5-12-9'-20160714	9	07/14/16	<7	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-13-9'-20160713	9	07/13/16	153	5,517	568	**6,238**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-13-11'-20160713	11	07/13/16	<8	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	`	--	--	--	--	--
T-5-14-8'-20160714	8	07/14/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-15-8'-20160714	8	07/14/16	<8	<4	<4	<8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-16-6'-20160714	6	07/14/16	434	12,306	905	**13,645**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-5-16-11'-20160714	11	07/14/16	<7	<4	<4	<7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-7-6'-20160712	6	07/12/16	<8	29	9	38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-8-6'-20160712	6	07/12/16	<7	87	31	118	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-9-6'-20160712	6	07/12/16	<7	16	5	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-10-5'-20160711	5	07/11/16	<7	450	80	**530**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-11-7'-20160711	7	07/11/16	530	3,041	211	**3,782**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-11-10'-20160711	10	07/11/16	<8	10	6	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-12-6'-20160712	6	07/12/16	<7	9	<4	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-13-6'-20160712	6	07/12/16	700	2,848	285	**3,833**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-13-10'-20160712	10	07/12/16	<7	33	7	40	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-14-6'-20160712	6	07/12/16	<6	12	4	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-15-6'-20160711	6	07/11/16	400	4,909	428	**5,737**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-15-10'-20160711	10	07/11/16	<7	7	4	11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-16-6'-20160712	6	07/12/16	<7	9	<4	9	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-17-6'-20160712	6	07/12/16	51	1,190	80	**1,321**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-6-18-6'-20160712	6	07/12/16	<6	324	56	380	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-7-6'-20160711	6	07/11/16	<7	8	<4	8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-8-6'-20160711	6	07/11/16	<7	14	5	19	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-9-6'-20160711	6	07/11/16	<6	7	<4	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-10-6'-20160711	6	07/11/16	<6	244	40	284	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-11-6'-20160711	6	07/11/16	<7	110	20	130	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
T-7-12-6'-20160711	6	07/11/16	<6	5	<4	5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Notes:

Concentrations in **BOLD** are above the Colorado Oil and Gas Conservation Commission (COGCC) Series 900 Allowable Concentrations.
bgs: below ground surface
TPH: total petroleum hydrocarbons
GRO: gasoline range organics
DRO: diesel range organics
mg/kg: milligrams per kilogram
-- : Not available
<: represent concentrations below the test method limit unless otherwise noted

Table 2
Soil Sample Results For Inorganic Compounds and Metals- Phase I Data
Northeast (NE) Terraced Area
Wilson Creek Unit, Rio Blanco County, Colorado

Sample ID	Sample Depth (feet bgs)	Sample Date	Electrical Conductivity	pH	Sodium Absorption Ratio	Arsenic*	Barium	Boron	Cadmium	Chromium	Chromium (III)	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
			(mmhos/cm)	(STD Units)	(ru)	(mg/kg)	(mg/kg)	(mg/L)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COGCC Allowable Concentrations and Levels			**<4**	**6-9**	**<12**	**0.39**	**15,000**	**2**	**70**	**120,000**	**120,000**	**23**	**3,100**	**400**	**23**	**1,600**	**390**	**390**	**23,000**
Project-Specific Target Concentration			**--**	**--**	**--**	**10**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Analytical Method			**E120.1**	**SW9045D**	**20B**	**SW6020A**	**SW6020A**	**E200.8**	**SW6020A**	**SW6020A**	**SW6020A**	**SM3500-CrB**	**SW6020A**	**SW6020A**	**SW7471B**	**SW6020A**	**SW6020A**	**SW6020A**	**SW6020A**
Phase I																			
T-1-6_6'_20160616	6	06/16/16	1.31	7.52	2.79	3.04	180	1.85	0.36	9.37	9.37	<10	17.7	17.5	0.168	10.7	0.60	<0.20	85.6
T-1-6_7.5'_20160616	7.5	06/16/16	0.264	7.70	0.809	1.05	97.4	0.42	0.37	2.73	2.73	<10	9.23	10.9	<0.050	8.35	<0.40	<0.20	27.1
T-2-6_6'_20160616	6	06/16/16	1.145	7.82	1.62	2.54	208	1.57	0.50	7.97	7.97	<20	18.5	21.8	0.098	14.8	<0.40	<0.20	82.4
T-2-6_6.5'_20160616	6.5	06/16/16	0.194	7.60	0.199	1.32	115	0.35	0.40	4.24	4.24	<20	10.2	10.7	<0.050	10.1	<0.40	<0.20	38.6
T-3-6_5.75'_20160616	5.75	06/16/16	1.455	7.60	2.29	2.10	223	1.19	0.45	6.97	6.97	<10	16.2	17.3	0.093	9.43	<0.40	<0.20	88.4
T-4-6_7'_20160615	7	06/15/16	1.47	7.77	3.00	3.15	162	1.16	0.48	9.63	9.63	<10	26.8	43.1	0.642	15.8	0.47	<0.20	153
T-4-6_8.5'_20160615	8.5	06/15/16	0.172	7.84	0.469	1.47	104	0.33	0.27	4.54	4.54	<10	16.9	19.2	0.054	11.0	<0.40	<0.20	39.4
T-5-6_7'_20160615	7	06/15/16	1.825	7.77	4.53	2.49	162	1.51	0.38	8.49	8.49	<10	18.9	20.4	1.560	12.3	0.49	<0.20	89.3
T-5-6_9'_20160615	9	06/15/16	0.152	7.56	0.206	1.38	136	0.30	0.53	4.75	4.75	<10	11.0	11.3	<0.050	10.2	0.52	<0.20	49.9
T-6-6_5'_20160615	5	06/15/16	1.14	7.86	1.08	2.67	157	1.04	0.40	4.78	4.78	<10	13.6	13.6	<0.050	11.7	<0.40	<0.20	56.1
T-6-6_10'_20160615	10	06/15/16	0.15	7.39	0.193	0.75	69.9	0.24	0.30	2.34	2.34	<10	7.17	8.25	<0.050	5.95	<0.40	<0.20	22.6
T-7-6_5'_20160615	5	06/15/16	1.68	7.68	0.239	3.07	193	1.15	0.34	5.80	5.80	<10	15.7	16.1	0.065	11.3	0.61	<0.20	56.2
T-7-6_6'_20160615	6	06/15/16	0.675	7.46	1.46	1.34	117	0.68	0.34	2.89	2.89	<10	10.0	12.1	<0.050	7.51	<0.40	<0.20	23.9

Notes:

Except where otherwise noted, concentrations in **BOLD** are above the Colorado Oil and Gas Conservation Commission (COGCC) Series 900 Allowable Concentrations.
bgs: below ground surface
mmhos/cm: millimhos per centimeter
STD Units: Standard Units
ru: relative units
mg/kg: milligrams per kilogram
mg/L: milligrams per liter
-- : Not available
<: represent concentrations below the test method limit unless otherwise noted

*: For arsenic, concentrations in **BOLD** are above the project-specific target concentration. The default COGCC Series 900 Allowable Concentration for arsenic is 0.39 mg/kg.

Table 3
Soil Sample Results For Organic Compounds - Borrow Source Data and Confirmatory Sample Data
Northeast (NE) Terraced Area
Wilson Creek Unit, Rio Blanco County, Colorado

Sample ID	Sample Date	TPH GRO (C6-C10)	TPH DRO (C10-C32)	TPH DRO (C32-C36)	Total TPH	Benzene	Toluene	Ethylbenzene	p,m-Xylene	o-Xylene	Acenaphthene	Anthracene	Benzo(a) anthracene	Benzo(a) pyrene	Benzo(b) fluoranthene	Benzo(k) fluoranthene	Chrysene	Dibenzo(a,h) anthracene	Fluoranthene	Fluorene	Indeno (1,2,3-cd) pyrene	Naphthalene	Pyrene
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COGCC Allowable Concentrations and Levels		--	--	--	**500**	**0.17**	**85**	**100**	**175**	**175**	**1,000**	**1,000**	**0.22**	**0.022**	**0.22**	**2.2**	**22**	**0.022**	**1,000**	**1,000**	**0.22**	**23**	**1,000**
Analytical Method		**SW8015M**	**SW8015M**	**SW8015M**	**SW8015M**	**SW5035A/ 8260C**	**SW5035A/ 8260C**	**SW5035A/ 8260C**	**SW5035A/ 8260C**	**SW5035A/ 8260C**	**SW8270D**	**SW8270D**	**SW8270D**	**E625-SIMS**	**SW8270D**	**SW8270D**	**SW8270D**	**E625-SIMS**	**SW8270D**	**SW8270D**	**SW8270D**	**SW8270D**	**SW8270D**
Borrow Source Data																							
Meeker Sand & Gravel (Clean Import)	06/30/16	<8	10	5	15	<0.08	<0.08	<0.08	<0.2	<0.08	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	<0.3	<0.3
Meeker Sand & Gravel (Road Base)	06/30/16	<6	25	8	33	<0.06	<0.06	<0.06	<0.1	<0.06	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	<0.3	<0.3
Confirmatory Samples																							
T-6-Bottom-A	07/21/16	<7	12	<4	12	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	2	<0.3
T-6-Bottom-B	07/21/16	<8	4	<4	4	<0.08	<0.08	<0.08	<0.2	<0.08	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	2	<0.3
T-6-Sidewall	07/21/16	<7	15	4	19	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	<0.3	<0.3
T-7-Bottom-A	07/18/16	<7	10	<4	10	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	<0.3	<0.3
T-7-Bottom-B	07/18/16	<7	11	4	15	<0.07	<0.07	<0.07	<0.1	<0.07	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	<0.3	<0.3
T-7-Sidewall	07/18/16	<6	9	<4	9	<0.06	<0.06	<0.06	<0.1	<0.06	<0.3	<0.3	<0.22	<0.02	<0.22	<0.3	<0.3	<0.02	<0.3	<0.3	<0.22	<0.3	<0.3

Notes:

Concentrations in **BOLD** are above the Colorado Oil and Gas Conservation Commission (COGCC) Series 900 Allowable Concentrations.
TPH: total petroleum hydrocarbons
GRO: gasoline range organics
DRO: diesel range organics
mg/kg: milligrams per kilogram
-- : Not available
<: represent concentrations below the test method limit unless otherwise noted

Table 4
Soil Sample Results For Inorganic Compounds and Metals- Borrow Source Data and Confirmatory Sample Data
Northeast (NE) Terraced Area
Wilson Creek Unit, Rio Blanco County, Colorado

Sample ID	Sample Date	Electrical Conductivity	pH	Sodium Absorption Ratio	Arsenic*	Barium	Boron	Cadmium	Chromium	Chromium (III)	Chromium (VI)	Copper	Lead	Mercury	Nickel	Selenium	Silver	Zinc
		(mmhos/cm)	(STD Units)	(ru)	(mg/kg)	(mg/kg)	(mg/L)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COGCC Allowable Concentrations and Levels		**<4**	**6-9**	**<12**	**0.39**	**15,000**	**2**	**70**	**120,000**	**120,000**	**23**	**3,100**	**400**	**23**	**1,600**	**390**	**390**	**23,000**
Project-Specific Target Concentrations		**--**	**--**	**--**	**10**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Analytical Method		**E120.1**	**SW9045D**	**20B**	**SW6020A**	**SW6020A**	**E200.8**	**SW6020A**	**SW6020A**	**SW6020A**	**SM3500-CrB**	**SW6020A**	**SW6020A**	**SW7471B**	**SW6020A**	**SW6020A**	**SW6020A**	**SW6020A**
Borrow Source Data																		
Meeker Sand & Gravel (Clean Import)	06/30/16	1.165	8.10	0.938	2.87	247	0.25	0.18	3.37	3.37	<1	4.83	5.29	<0.050	11.3	<0.40	<0.20	9.43
Meeker Sand & Gravel (Road Base)	06/30/16	0.47	8.85	0.691	1.18	130	0.19	0.09	2.06	2.06	<1	3.28	1.56	<0.050	12.0	0.22	<0.20	6.73
Confirmatory Samples																		
T-6-Bottom-A	07/21/16	0.3255	7.93	1.09	1.90	112	<0.10	0.47	3.46	<5.0	<5	13.2	14.8	<0.050	14.7	<0.40	<0.20	27.7
T-6-Bottom-B	07/21/16	0.1765	7.49	0.131	1.59	156	0.16	0.59	4.16	<10.0	<10	12.7	12.9	<0.050	9.66	<0.40	<0.20	48.1
T-6-Sidewall	07/21/16	0.2175	7.81	0.182	3.25	93.7	<0.10	0.24	4.79	<10.0	<10	13.2	16.5	0.067	10.2	<0.40	<0.20	36.0
T-7-Bottom-A	07/18/16	0.2505	8.16	0.354	1.28	104	0.17	0.24	3.16	<5.0	<5	9.63	10.5	<0.050	7.67	<0.40	<0.20	22.2
T-7-Bottom-B	07/18/16	0.4425	8.31	1.54	1.74	114	0.17	0.28	4.01	<5.0	<5	10.8	12.1	<0.050	8.67	<0.40	<0.20	30.7
T-7-Sidewall	07/18/16	0.1855	7.71	0.066	2.19	116	0.19	0.36	4.52	<5.0	<5	11.2	12.5	<0.050	8.49	<0.40	<0.20	46.0

Notes:

Except where otherwise noted, concentrations in **BOLD** are above the Colorado Oil and Gas Conservation Commission (COGCC) Series 900 Allowable Concentrations.
mmhos/cm: millimhos per centimeter
STD Units: Standard Units
ru: relative units
mg/kg: milligrams per kilogram
mg/L: milligrams per liter
-- : Not available
<: represent concentrations below the test method limit unless otherwise noted

*: For arsenic, concentrations in **BOLD** are above the project-specific target concentration. The default COGCC Series 900 Allowable Concentration for arsenic is 0.39 mg/kg.

Appendix A

REM 9622, Location ID #443091; Interim Documentation Report for 2016 Remediation Activities at Wilson Creek NE Terraced Area, Meeker, Colorado

2016 NE Terraced Area Activities: Photo Log



Photo #1—Pre-work condition: stockpile area at toe of valley below terraces (Photo facing North)



Photo #2—Pre-work condition: valley above stockpile area adjacent to terraces. Abandoned flow line pictured in foreground. (Photo facing Northwest)

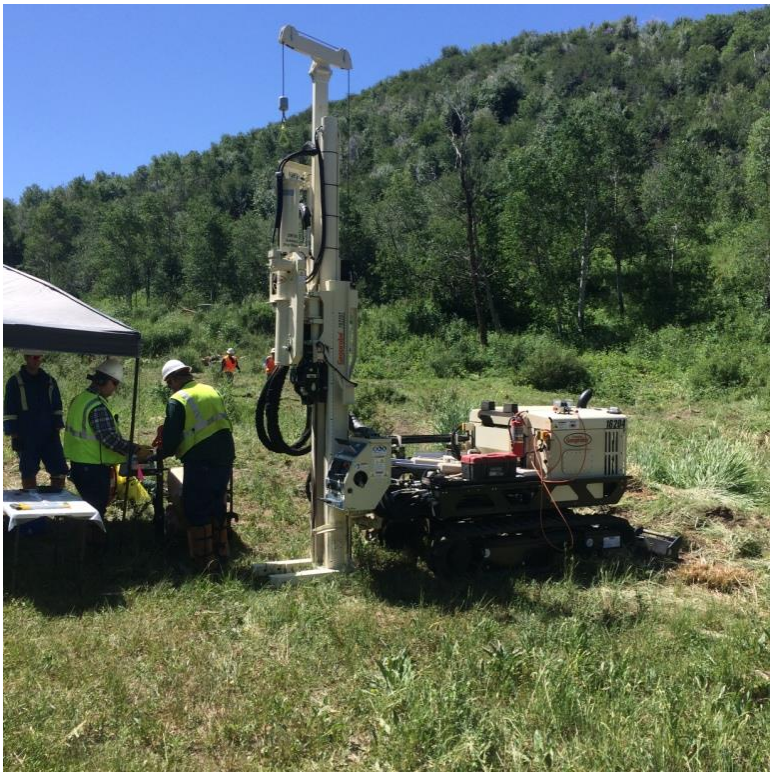


Photo #3—Phase II soil assessment at Terrace 7 (Photo facing South)



Photo #4—Phase II soil assessment at Terrace 6 (Photo facing South)



Photo #5—Terrace 7 excavation (Photo facing Southeast)



Photo #6—Terrace 7 excavation



Photo #7—Terrace 7 backfilled (Photo facing Northwest)



Photo #8—Terrace 6 excavation (Photo facing East)



Photo #9—Terrace 6 excavation (Photo facing Southeast)



Photo #10—Terrace 6 excavation (impacted soil removed) (Photo facing West)



Photo #11—Terrace 6 backfilled (Photo facing Northwest)



Photo #12—Off-road haul truck transporting impacted soil to staging area (Photo facing Northwest)



Photo #13—Impacted soil stockpile (Photo facing East)



Photo #14—Staging and stockpiling area at toe of valley (Photo facing Northeast)



Photo #15—Impacted soil being loaded into haul truck for transport (Photo facing South)



Photo #16—Impacted soil being loaded into haul truck for transport (Photo facing North)

Appendix B

PROJECT: CVX - WILSON CREEK
LOCATION: MEEKER, CO
PROJECT NUMBER: 212201118

WELL / PROBEHOLE / BOREHOLE NO: T-1-6 PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED 6/16/16 COMPLETED: 6/16/16
DRILLING COMPANY: STANTEC
DRILLING EQUIPMENT: HAND AUGER
DRILLING METHOD: "
SAMPLING EQUIPMENT: "

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft):
WELL DEPTH (ft):
STATIC DTW (ft):
BOREHOLE DEPTH (ft): 7.5'
WELL CASING DIA. (in):
BOREHOLE DIA. (in): 3"
LOGGED BY: MAHER
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
		ML	SILT w/ SOME SAND Faint stain + slight odor starts @ 3.5'					50 50 50	1 2 3
			DARK STAIN + OILY w/ HEAVY ODOR STARTS @ 4.75'		1640			50	4
5		CL	5-6' DARK STAIN + OILY w/ H. ODOR		1040			450 430	5
			6-7' MOST STAIN GONE w/ MODERATE ODOR					100	6
			ALL SIGNS OF IMPACT GONE @ 7'		1040			10	7 7.5'
			BORING ENDS @ 7.5' bgs.						
10									10
15									15

NOTES:

+ TRANSITION TO DARK/OILY SOIL IS VERY ABRUPT.
+ ELEVATED PID (>100) OVER BACKGROUND (~50) APPEARS TO CORRELATE VERY WELL W/ OBVIOUS STAINING.
+ SAMPLER EXPECTS INTERVAL 3'-4' + 7'-7.5' TO EXHIBIT LOW TO NO IMPACTS BASED ON FIELD OBSERVATIONS.
+ INTERVAL 5'-6' IS EXPECTED TO BE SIGNIFICANTLY IMPACTED BASED ON OBSERVATIONS.

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

PROJECT: CVX - WILSON CREEK
LOCATION: MEEKER, CO
PROJECT NUMBER: 212201118

WELL / PROBEHOLE / BOREHOLE NO: 1
T-2-6 PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED 6/16/16 COMPLETED: 6/16/16
DRILLING COMPANY: STANTEC
DRILLING EQUIPMENT: HAND AUGER
DRILLING METHOD: "
SAMPLING EQUIPMENT: "

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft):
WELL DEPTH (ft):
STATIC DTW (ft):
BOREHOLE DEPTH (ft): 7
WELL CASING DIA. (in):
BOREHOLE DIA. (in): 3
LOGGED BY: MAHER
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SILT W/ SAND					50	
1									1
2		ML	- SLIGHT STAINING START @ 2' - NO ODOR					50	2
3								50	3
4			- @ 4' more obvious stain w/ light ODOR		927			50	4
			- @ 4.5' begin Dark stain & heavy ODOR					330	
5			5-6' DARK STAIN / HEAVY ODOR + OILY		927			400	5
6			@ 6' - start "clean" Brown Silt - no odor		927			50	6 6.5
7			END BORING @ 7'						7
10									10
15									15

NOTES:

+ TRANSITION TO DARK STAIN IS VERY ABRUPT
+ ELEVATED PID (330) OVER BACKGROUND (50) APPEARS TO CORRELATE VERY WELL W/ OBVIOUS STAINING
+ SAMPLER EXPECTS INTERVAL 3'-4' TO EXHIBIT LOW TO NO IMPACTS AND INTERVAL 5'-6' TO BE SIGNIFICATLY IMPACTED BASED ON FIELD OBSERVATIONS
+ INTERVAL 6-6.5 EXPECTED TO BE FREE OF IMPACTS BASED ON FIELD OBSERVATIONS

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

PROJECT: CVX - WILSON CREEK
LOCATION: MEEKER, CO
PROJECT NUMBER: 212201118

WELL / PROBEHOLE / BOREHOLE NO: T-3-6 PAGE 1 OF 5

Stantec

DRILLING / INSTALLATION:
STARTED 6/16/16 COMPLETED: 6/16/16
DRILLING COMPANY: STANTEC
DRILLING EQUIPMENT: HAND AUGER
DRILLING METHOD: "
SAMPLING EQUIPMENT: "

NORTHING (ft):
EASTING (ft):
LAT:
LONG:
GROUND ELEV (ft):
TOC ELEV (ft):
INITIAL DTW (ft):
WELL DEPTH (ft):
STATIC DTW (ft):
BOREHOLE DEPTH (ft): 5.75
WELL CASING DIA. (in):
BOREHOLE DIA. (in): 3
LOGGED BY: MAHER
CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
		ML	SILT W/SAND					5	
								10	
								10	
					1210			5	
			-@ 4.5' - START DARK STAIN + HEAVY ODOR					200	
5			5-5.75' DARK STAIN, heavy odor + oily		1210			200	5
			LARGE ROCK @ 5.75' - END BORING						5.75
10									10
15									15

NOTES:

+ TRANSITION TO DARK STAIN VERY ABRUPT
+ ELEVATED PID (200) OVER BACKGROUND (16) APPEARS TO CORRELATE VERY WELL W/ OBVIOUS STAINING
+ SAMPLER EXPECTS INTERVAL 3'-4' TO EXHIBIT LOW TO NO IMPACTS AND INTERVAL 5'-5.75' TO BE SIGNIFICATLY IMPACTED BASED ON FIELD OBSERVATIONS
+ BOTTOM OF APPARENT IMPACTS NOT REACHED BY 5.75'

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

PROJECT: CVX - WILSON CREEK LOCATION: MEEKER, CO PROJECT NUMBER: 212201118	WELL / PROBEHOLE / BOREHOLE NO: 1 T-4-6 PAGE 1 OF 6
DRILLING / INSTALLATION: STARTED 6/15/16 COMPLETED: 6/15/16 DRILLING COMPANY: STANTEC DRILLING EQUIPMENT: HAND AUGER DRILLING METHOD: " SAMPLING EQUIPMENT: "	NORTHING (ft): EASTING (ft): LAT: LONG: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): WELL DEPTH (ft): STATIC DTW (ft): BOREHOLE DEPTH (ft): 8.5 WELL CASING DIA. (in): BOREHOLE DIA. (in): 3 LOGGED BY: MAYER CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SILT					50	1
		ML						50	2
			POSSIBLE PAINT STAIN @ 3' - NO ODOR					50	3
			DARK STAIN + HEAVY ODOR BEGINS @ 4' - BEGIN CLAY		1630			50	4
5		CL	5'-8' DARK STAIN, HEAVY ODOR, + OILY					450	5
								350	6
					1630			1050	7
								830	8
			SHARP TRANSITION @ 8' CLEAN CLAY. NO STAIN NO ODOR, LIGHT BROWN		1630			30	8.5
10			END BORING @ 8.5'						10
			NOTES:						
			+ TRASITION TO OBVIOUS STAINING VERY ABRUPT						
			+ ELEVATED PID (>350) OVER BACKGROUND (50) CORRELATES VERY WELL W/ OBVIOUS STAINING						
15			+ SAMPLER EXPECTS INTERVALS 3'-4' AND 8'-8.5' TO EXHIBIT LITTLE/NO IMPACTS, AND INTERVAL 6'-7' TO EXHIBIT HEAVY IMPACTS BASED ON FIELD OBSERVATIONS.						15

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

PROJECT: CVX-WILSON CREEK	WELL / PROBEHOLE / BOREHOLE NO: T-5-6 PAGE 1 OF 1
LOCATION: MEEKER, CO	
PROJECT NUMBER: 212201118	
DRILLING / INSTALLATION:	NORTHING (ft): EASTING (ft):
STARTED 6/15/16 COMPLETED: 6/15/16	LAT: LONG:
DRILLING COMPANY: STANTEC	GROUND ELEV (ft): TOC ELEV (ft):
DRILLING EQUIPMENT: HAND AUGER	INITIAL DTW (ft): WELL DEPTH (ft):
DRILLING METHOD: "	STATIC DTW (ft): BOREHOLE DEPTH (ft): 9
SAMPLING EQUIPMENT: "	WELL CASING DIA. (in): BOREHOLE DIA. (in): 3
	LOGGED BY: MAUER CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SILT WITH SAND					105	
		ML	- SLIGHT STAIN @ 1.5' NO ODOR					100	
			2'-3' FAINT STAIN NO ODOR					100	
			3'-4' FAINT STAIN w/ MODERATE ODOR						
			4' BEGINS DARK STAIN + HEAVY ODOR		1430			100	
			4'-5' DARK STAIN w/ HEAVY ODOR					485	
								500	
		CL	5'-7' DARK STAIN + OILY w/ HEAVY ODOR		1430			600	
			7'-8' TRANSITIONING - LESS DARK + OILY					180	
			8'-9' DARK BROWN CLAY CLEAN		1430			10	
			BORING ENDS @ 9'						

NOTES:

+ 0'-3' "STAINING" MIGHT BE DARK SOIL, INSTEAD OF STAIN.
+ TRANSITION TO DARK STAIN VERY ABRUPT.
+ ELEVATED PID (>400) OVER BACKGROUND (~100) APPEARS TO CORRELATE VERY WELL W/ OBVIOUS STAINING
+ SAMPLER EXPECTS SAMPLES 3'-4' + 8'-9' TO EXHIBIT LITTLE/NO IMPACTS BASED ON FIELD OBSERVATION
SAMPLE 6'-7' EXPECTED TO EXHIBIT HEAVY IMPACTS BASED ON FIELD OBSERVATIONS.

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

PROJECT: COX - WILSON CREEK
LOCATION: MEEKER, CO
PROJECT NUMBER: 212201118

WELL / PROBEHOLE / BOREHOLE NO: J-6-6 PAGE 1 OF 5

Stantec

DRILLING / INSTALLATION:
STARTED 6/15/16 COMPLETED: 6/15/16
DRILLING COMPANY: STANTEC
DRILLING EQUIPMENT: HAND AUGER
DRILLING METHOD: "
SAMPLING EQUIPMENT: "

NORTHING (ft): EASTING (ft):
LAT: LONG:
GROUND ELEV (ft): TOC ELEV (ft):
INITIAL DTW (ft): WELL DEPTH (ft):
STATIC DTW (ft): BOREHOLE DEPTH (ft): 10
WELL CASING DIA. (in): BOREHOLE DIA. (in): 3
LOGGED BY: S. MAHER CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
		ML	SILT W/ SAND - SLIGHT STAIN @ 1.5', THEN STAIN DISAPPEARS					5	1
								5	2
								5	3
			MED STAIN + MILD ODOR 3'-4'			1202		10	4
			STAIN + MODERATE ODOR 4'-5'			1202		143	5
		CL	STAIN / DARK SOIL W/ NO ODOR 5'-10'					10	6
								2	7
								3	8
								2	9
			10' END OF BORING			1202		2	10

NOTES:
+ DARKER STAIN APPEARS TO CORRELATE W/ ELEVATED PID (143) COMPARED TO BACKGROUND (5)
+ SOILS BELOW 5' WERE INDISTIGUISHABLE AND MAY HAVE BEEN DARK SOIL + NOT STAIN. SOILS BELOW 5' PERCEIVED TO HAVE COMPARABLE LEVEL OF IMPACT BASED ON FIELD OBSERVATIONS.
+ SAMPLES FROM 3'-4' AND 9'-10' EXPECTED TO EXHIBIT LOW - NO IMPACTS BASED ON FIELD OBSERVATIONS.
+ SAMPLE FROM 4'-5' EXPECTED TO EXHIBIT HIGHEST LEVEL OF IMPACT FOR BORING BASED ON FIELD OB

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

PROJECT: CVX - WILSON CREEK LOCATION: MEEKER, CO PROJECT NUMBER: 212201118	WELL / PROBEHOLE / BOREHOLE NO: T-7-6 PAGE 1 OF 1
DRILLING / INSTALLATION: STARTED 6/15/16 COMPLETED: 6/15/16 DRILLING COMPANY: STANTEC DRILLING EQUIPMENT: HAND AUGER DRILLING METHOD: " SAMPLING EQUIPMENT: "	NORTHING (ft): EASTING (ft): LAT: LONG: GROUND ELEV (ft): TOC ELEV (ft): INITIAL DTW (ft): WELL DEPTH (ft): STATIC DTW (ft): BOREHOLE DEPTH (ft): 7 WELL CASING DIA. (in): BOREHOLE DIA. (in): 3 LOGGED BY: MAHER CHECKED BY:

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			SILT w/ SAND					105	1
			Slight odor + some Staining observed @ 4.5'					90	2
		ML						90	3
			VERY THIN LAYER OF STAIN AND ODOR OBSERVED 4.5'-5'		10:26			110	4
5			NO INDICATIONS OF IMPACTS BELOW 5' BGS		10:26			330	5
					10:26			80	6
								3	7
			END BORING - 7' BGS						
10			NOTES:						10
			+ ELEVATED PID (>300) OVER BACKGROUND (~100) APPEARS TO CORRELATE WELL W/ OBVIOUS STAINING						
			+ SAMPLER EXPECTS INTERVAL 3'-4' AND 5'-6' TO EXHIBIT LOW TO NO IMPACTS BASED ON FIELD OBSERVATIONS						
15			+ INTERVAL 4'-5' IS EXPECTED TO BE MODERATELY IMPACTED BASED ON FIELD OBSERVATIONS						15

GEO FORM 304 BLANK TEMPLATE.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 12/17/09

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-1-7**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		

Stantec

Drilling:	Started: **7/20/16 0930**	Completed: **7/20/16 1000**	Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started:	Completed:	Northing (ft): **1325610.182** Easting (ft): **2325741.933**
Drilling Company:	**STANTEC CONSULTING**		Latitude: **N/A** Longitude: **N/A**
Drilling Equipment:	**Geoprobe**		Ground Elev (ft): TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**		Initial DTW (ft): Borehole Depth (ft): **8.0**
			Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Logged By:	**Byron Collins**	Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	1.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.2	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
6.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-1-7_8'	10:00		1.2	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-8

Drilling: Started: **7/20/16 1005** Completed: **7/20/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325616.164** Easting (ft): **2325764.875**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	1.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	~3" layer of soft sandstone
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.1	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
6.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-1-8_8'	10:35		1.5	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-9

Drilling: Started: **7/19/16 1235** Completed: **7/19/16 1325**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325599.418** Easting (ft): **2325758.362**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.4	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	10.3	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					10.3	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					99.8	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor		T-1-9_6'	13:25		99.8	moist	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					23.8	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					23.8	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					4.8	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					4.8	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	54.3	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					54.3	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					3.8	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					3.8	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.9	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-10

Drilling: Started: **7/19/16 1305** Completed: **7/19/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325579.245** Easting (ft): **2325757.758**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	Bulk Density: Length = 4.02 in, Width = 1.68 in, Mass =9 1/4 oz . Collected @ 6' bgs.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					3.0	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					3.0	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	8.3	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					8.3	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					361.3	dry	
5.5	ML	silt with sand	light brown		Moderate HC Staining and Odor					361.3	dry	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					373.1	moist	
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-1-10_7'	13:35		373.1	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					8.8	moist	
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor					8.8	moist	
8.0	CL	lean clay	light brown		Moderate HC Staining				4/4	78.6	moist	
8.5	CL	lean clay	light brown		Moderate HC Staining		T-1-10_9'	13:40		78.6	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					5.1	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					5.1	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					4.1	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					4.1	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					4.2	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					4.2	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-11

Drilling: Started: **7/20/16 0915** Completed: **7/20/16 0950**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325566.855** Easting (ft): **2325746.740**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.5	dry	Unable to step out due to trees on hillside. Cloudy day may effect PID headspace readings.
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
4.0	CL	lean clay	yellowish orange		No HC Staining or Odor				4/4	65.7	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					65.7	moist	
5.0	CL	lean clay	light brown		Moderate HC Staining and Odor					679.8	moist	
5.5	CL	lean clay	light brown		Moderate HC Staining and Odor	T-1-11_6'_20160720		9:45		679.8	moist	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					170.9	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					170.9	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					9.5	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					9.5	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	71.4	moist	
8.5	CL	lean clay	light brown		Slight HC Staining and Odor					71.4	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor	T-1-11_10'_20160720		9:50		5.9	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					5.9	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					3.8	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					3.8	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					3.3	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					3.3	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-1-12**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/19/16 1400** Completed: **7/19/16 1430**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325561.216**	Easting (ft): **2325758.303**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft):	Borehole Depth (ft): **12.0**
		Static DTW (ft):	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	Bulk Density: Length = 3.30 in, Width = 1.59 in, Mass = 5 3/4oz . Collected @ 2' bgs.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	86.5	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					86.5	dry	
5.0	CL	silt with sand	light brown		Moderate HC Staining and Odor					401.0	dry	
5.5	CL	silt with sand	light brown		Moderate HC Staining and Odor					401.0	dry	
6.0	CL	silt with sand	light brown		Moderate HC Staining and Odor					438.0	moist	
6.5	CL	silt with sand	light brown		Moderate HC Staining and Odor	T-1-12_7'_20160719		14:25		438.0	moist	
7.0	CL	silt with sand	light brown		Moderate HC Staining and Odor					291.0	moist	
7.5	CL	silt with sand	light brown		Moderate HC Staining and Odor					291.0	moist	
8.0	CL	silt with sand	light brown		Moderate HC Staining and Odor				4/4	152.0	moist	
8.5	CL	silt with sand	light brown		Moderate HC Staining and Odor					152.0	moist	
9.0	CL	silt with sand	light brown		Moderate HC Staining and Odor					72.0	moist	
9.5	CL	silt with sand	light brown		Moderate HC Staining and Odor					72.0	moist	
10.0	CL	silt with sand	light brown		Moderate HC Staining and Odor					16.5	moist	
10.5	CL	silt with sand	light brown		No HC Staining or Odor	T-1-12_11'_20160719		14:30		16.5	moist	
11.0	CL	silt with sand	light brown		No HC Staining or Odor					3.1	moist	
11.5	CL	silt with sand	light brown		No HC Staining or Odor					3.1	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-13

Drilling: Started: **7/19/16 1415** Completed: **7/19/16 1450**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325569.543** Easting (ft): **2325785.786**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	2.8	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.8	dry	Bulk Density: Length = 1.66 in, Width =3.81 in, Mass = 6 oz . Collected @ 2' bgs.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	8.8	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					8.8	moist	
5.0	CL	lean clay	light brown		Moderate HC Staining and Odor					602.6	moist	
5.5	CL	lean clay	light brown		Moderate HC Staining and Odor					602.6	moist	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					884.2	moist	
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-1-13_7'_20160719	14:45		884.2	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					19.3	moist	
7.5	CL	lean clay	light brown		Moderate HC Odor					19.3	moist	
8.0	CL	lean clay	light brown		Moderate HC Odor				2/4	700.7	moist	
8.5	CL	lean clay	light brown		Moderate HC Odor					700.7	moist	
9.0	CL	lean clay	light brown		Moderate HC Staining and Odor					108.2	moist	
9.5	CL	lean clay	light brown		Moderate HC Staining and Odor					108.2	moist	
10.0	CL	lean clay	light brown		Moderate HC Staining and Odor					8.9	moist	
10.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-1-13_11'_20160719	14:40		8.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					7.0	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					7.0	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-14

Drilling: Started: **7/20/16 1015** Completed: **7/20/16 1040**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325582.213** Easting (ft): **2325796.342**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.6	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-1-14_8'_20160720	10:40		0.6	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-1-15**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		

Drilling:	Started: **7/20/16 0820**	Completed: **7/20/16 0905**	Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**		
Installation:	Started:	Completed:	Northing (ft): **1325547.579**	Easting (ft): **2325750.319**	
Drilling Company:	**STANTEC CONSULTING**		Latitude: **N/A**	Longitude: **N/A**	
Drilling Equipment:	**Geoprobe**		Ground Elev (ft):	TOC Elev (ft): **N/A**	
Sampling Method:	**Macro Core**		Initial DTW (ft):	Borehole Depth (ft): **12.0**	
			Static DTW (ft):	Well Depth (ft): **N/A**	
Logged By: **Byron Collins**		Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**	

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.5	dry	**Staining and strong HC odor detected at original location from 6-8' bgs (PID = 390). Boring stepped out ~5'.
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	Cloudy day, PID may be lower as result
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.3	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	moist	
5.0	ML	silt with sand	light brown		Slight HC Odor					2.7	moist	
5.5	ML	silt with sand	light brown		Moderate HC Staining and Odor					2.7	moist	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					70.8	moist	
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor					70.8	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					115.0	moist	
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor	T-1-15_8'_20160720		9:00		115.0	moist	
8.0	CL	lean clay	light brown		Moderate HC Staining and Odor				4/4	35.0	moist	
8.5	CL	lean clay	light brown		Moderate HC Staining and Odor					35.0	moist	
9.0	SP	poorly graded sand	yellowish orange		No HC Staining or Odor					4.4	moist	Coarse sandstone present
9.5	SP	poorly graded sand	yellowish orange		No HC Staining or Odor	T-1-15_10'_20160720		9:05		4.4	moist	Coarse sandstone present
10.0	SP	poorly graded sand	yellowish orange		No HC Staining or Odor					2.5	moist	Coarse sandstone present
10.5	SP	poorly graded sand	yellowish orange		No HC Staining or Odor					2.5	moist	Coarse sandstone present
11.0	SP	poorly graded sand	yellowish orange		No HC Staining or Odor					2.9	moist	Coarse sandstone present
11.5	SP	poorly graded sand	yellowish orange		No HC Staining or Odor					2.9	moist	Coarse sandstone present
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-16

Drilling: Started: **7/19/16 1450** Completed: **7/19/16 1555**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325548.105** Easting (ft): **2325782.707**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **16.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	1.1	dry	Bulk Density: Length = 1.68 in, Width =4.08 in, Mass = 6 1/2 oz . Collected @ 3' bgs.
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					9.5	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					9.5	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	136.5	dry	
4.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					136.5	moist	
5.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					690.1	moist	
5.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					690.1	moist	
6.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					612.8	moist	
6.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor	T-1-16__20160719		15:55		612.8	moist	
7.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					503.8	moist	
7.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					503.8	moist	
8.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor				4/4	181.7	moist	
8.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					181.7	moist	
9.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					263.9	moist	
9.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					263.9	moist	
10.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					152.2	moist	
10.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					152.2	moist	
11.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					8.6	moist	
11.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					8.6	moist	
12.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor				4/4	79.1	moist	
12.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					79.1	moist	
13.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					112.5	moist	
13.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					112.5	moist	
14.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					8.5	moist	
14.5	CL	lean clay with sand	light brown		Slight HC Odor	T-1-16_15'_20160719		15:50		8.5	moist	
15.0	CL	lean clay with sand	light brown		No HC Staining or Odor					5.8	moist	
15.5	CL	lean clay with sand	light brown		No HC Staining or Odor					5.8	moist	
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-1-17**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/20/16 0810** Completed: **7/20/16 0855**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325530.257**	Easting (ft): **2325763.140**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft):	Borehole Depth (ft): **8.0**
		Static DTW (ft):	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	64.4	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor		T-1-17_5'_20160720	8:55		64.4	moist	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					4.5	moist	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					4.5	moist	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					2.1	moist	
6.5	ML	silt with sand	light brown		No HC Staining or Odor					2.1	moist	
7.0	ML	silt with sand	light brown		No HC Staining or Odor					2.0	moist	
7.5	CL	lean clay with sand	light brown		No HC Staining or Odor					2.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-18

Drilling: Started: **7/19/16 1600** Completed: **7/19/16 1700**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325530.084** Easting (ft): **2325776.569**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown						3/4	0.3	dry	
0.5	ML	silt with sand	light brown							0.3	dry	
1.0	ML	silt with sand	light brown							0.8	dry	
1.5	ML	silt with sand	light brown							0.8	dry	
2.0	ML	silt with sand	light brown							1.2	dry	
2.5	ML	silt with sand	light brown							1.2	dry	
3.0	ML	silt with sand	light brown							3.1	dry	
3.5	ML	silt with sand	light brown							3.1	dry	
4.0	ML	silt with sand	light brown						4/4	8.3	dry	
4.5	ML	silt with sand	light brown							8.3	moist	
5.0	ML	silt with sand	light brown		Slight HC Staining and Odor					119.0	moist	
5.5	ML	silt with sand	light brown		Slight HC Staining and Odor		T-1-18_6'_20160719	16:55		119.0	moist	
6.0	CL	lean clay	light brown		Slight HC Staining and Odor					2.2	moist	
6.5	CL	lean clay	light brown				T-1-18_7'_20160719	17:00		2.2	moist	
7.0	CL	lean clay	light brown							1.5	moist	
7.5	CL	lean clay	light brown							1.5	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-1-19

Drilling: Started: **7/19/16 1510** Completed: **7/19/16 1605**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325538.814** Easting (ft): **2325794.335**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	3.5	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					3.5	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.3	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					3.4	moist	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					3.4	moist	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					2.4	moist	
6.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					2.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor	T-1-19_8'_20160719		16:05		2.2	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	2.3	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					2.3	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					2.2	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					2.2	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					2.4	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					2.4	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					2.3	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					2.3	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-7

Drilling: Started: **7/19/16 1025** Completed: **7/19/16 1050**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325702.093** Easting (ft): **2325703.610**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.3	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor		T-2-7_6'_20160719	10:45		0.3	dry	
6.0	CL	lean clay with sand	light brown		No HC Staining or Odor					0.2	moist	
6.5	CL	lean clay with sand	light brown		No HC Staining or Odor					0.2	moist	
7.0	CL	lean clay with sand	light brown		No HC Staining or Odor					0.3	moist	
7.5	CL	lean clay with sand	light brown		No HC Staining or Odor					0.3	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-8

Drilling: Started: **7/18/16 1000** Completed: **7/18/16 1040**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325684.387** Easting (ft): **2325704.435**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.0	dry	Bulk Density: Length = 4.10 in, Width = 1.50 in, Mass =5 5/8 oz . Collected @ 2' bgs.
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.1	dry	
5.5	CL	lean clay	light brown		No HC Staining or Odor		T-2-8_8'_20160718	10:40		0.1	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.1	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.1	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.1	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.1	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.2	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
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17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-9

Drilling: Started: **7/19/16 1010** Completed: **7/19/16 1040**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325683.034** Easting (ft): **2325736.432**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.1	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor		T-2-9_6'_20160719	10:40		0.2	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.1	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
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15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-10

Drilling: Started: **7/18/16 1440** Completed: **7/18/16 1530**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325667.556** Easting (ft): **2325692.810**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **16.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.0	dry	(P) = 0.0, 0.0, 0.25
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	(P) = 0.75, 2.25, 0.25
2.5	ML	silt with sand	light brown		No HC Staining or Odor		T-2-10_0-4	15:20		0.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	(P) = 1.75, 1.75, 2.25
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	dry	
5.5	CL	lean clay with sand	light brown		No HC Staining or Odor					0.0	dry	
6.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor					0.0	dry	(P) = 2.75, 1.5, >4.5
6.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor					0.0	dry	Coarse sandstone present
7.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor					0.0	dry	
7.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor		T-2-10_8'_20160718	15:30		0.0	dry	
8.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	(P) = 4.25, >4.5, 3.0
8.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	Coarse sandstone present
9.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor		T-2-10_6-12	15:20			dry	
9.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	
10.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	(P) = 2.25, 2.0, >4.5
10.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	Coarse sandstone present
11.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	
11.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	
12.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	(P) = >4.5, >4.5, >4.5
12.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	Coarse sandstone present
13.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	
13.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	
14.0	SP	poorly graded sand	yellowish orange		No HC Staining or Odor						dry	(P) = >4.5, >4.5, >4.5
14.5	SP	poorly graded sand	yellowish orange		No HC Staining or Odor						dry	Coarse sandstone present
15.0	SP	poorly graded sand	yellowish orange		No HC Staining or Odor						dry	
15.5	SP	poorly graded sand	yellowish orange		No HC Staining or Odor						dry	
16.0												Refusal @ 16'bgs, sandstone
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-11

Drilling: Started: **7/18/16 1125** Completed: **7/18/16 1210**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325663.776** Easting (ft): **2325703.289**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	Bulk Density: Length = 4.02 in, Width = 1.58 in, Mass =6 1/8 oz . Collected @ 1' bgs.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.7	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.7	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					8.3	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					8.3	moist	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					172.0	moist	
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-2-11_7'_20160718	12:05		172.0	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					4.5	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					4.5	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	24.6	moist	
8.5	CL	lean clay	light brown		Slight HC Staining and Odor		T-2-11_9'_20160718	12:10		24.6	moist	
9.0	CL	lean clay	light brown		Slight HC Staining and Odor					4.4	moist	
9.5	CL	lean clay	light brown		Slight HC Staining and Odor					4.4	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
10.5	CL	lean clay	yellowish orange		No HC Staining or Odor					1.0	dry	Very hard
11.0	CL	lean clay	yellowish orange		No HC Staining or Odor					1.5	dry	Very hard
11.5	CL	lean clay	yellowish orange		No HC Staining or Odor					1.5	dry	Very hard
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-12

Drilling: Started: **7/18/16 1105** Completed: **7/18/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325669.497** Easting (ft): **2325732.638**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.4	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	3.4	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					3.4	dry	
5.0	CL	lean clay	light brown		Slight HC Odor					79.9	dry	
5.5	CL	lean clay	light brown		Moderate HC Staining and Odor					79.9	dry	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					406.4	moist	
6.5	CL	lean clay	light brown		Slight HC Staining	T-2-12_7'_20160718		11:50		406.4	moist	
7.0	CL	lean clay	light brown		Slight HC Staining					4.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor	T-2-12_8'_20160718		11:55		4.2	moist	
8.0	ML	sandy silt	light brown		No HC Staining or Odor				4/4	29.5	dry	
8.5	CL	lean clay	light brown		No HC Staining or Odor					29.5	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					2.9	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					2.9	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.3	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.3	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-13

Drilling: Started: **7/19/16 1000** Completed: **7/19/16 1030**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325667.774** Easting (ft): **2325746.965**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.3	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor		T-2-13_6'_20160719	10:30		0.2	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.4	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.4	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
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14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-2-14**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/18/16 1540** Completed: **7/18/16 1630**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325647.097**	Easting (ft): **2325689.708**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft):	Borehole Depth (ft): **8.0**
		Static DTW (ft):	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	yellowish orange		No HC Staining or Odor				4/4		dry	(P) = 1.25, >4.5, 3.75
0.5	ML	silt with sand	yellowish orange		No HC Staining or Odor						dry	Coarse sandstone present
1.0	ML	silt with sand	yellowish orange		No HC Staining or Odor						dry	
1.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor		T-2-14_2'_20160718	16:20			dry	
2.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	(P) = >4.5, 3.75, >4.5
2.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						dry	Coarse sandstone present
3.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	
3.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	
4.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor		T-2-14_2-8	16:15	4/4		moist	(P) = >4.5, >4.5, >4.5
4.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	Coarse sandstone present
5.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	
5.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	
6.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	(P) = >4.5, >4.5, >4.5
6.5	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	Coarse sandstone present
7.0	CL	lean clay with sand	yellowish orange		No HC Staining or Odor						moist	
7.5	SP	poorly graded sand	yellowish orange		No HC Staining or Odor						dry	
8.0												Refusal @ 8' bgs, sandstone
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
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14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-15

Drilling: Started: **7/18/16 1015** Completed: **7/18/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325652.934** Easting (ft): **2325725.506**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	Bulk Density: Length = 4.54 in, Width = 1.66 in, Mass = 6.5 oz . Collected @ 1' bgs.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	~3" sandstone layer
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.8	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					2.8	moist	
5.0	CL	lean clay	light brown		Slight HC Staining and Odor					123.0	moist	
5.5	CL	lean clay	light brown		Slight HC Staining and Odor					123.0	moist	
6.0	CL	lean clay	yellowish orange		Slight HC Staining and Odor					79.0	moist	
6.5	CL	lean clay	yellowish orange		Slight HC Staining and Odor		T-2-15_7'_20160718	11:00		79.0	moist	
7.0	CL	lean clay	light brown		Slight HC Staining and Odor					2.8	moist	~2" sand layer
7.5	CL	lean clay	light brown		Slight HC Staining and Odor					2.8	moist	
8.0	CL	lean clay	light brown		Slight HC Staining and Odor				4/4	48.0	moist	
8.5	CL	lean clay	light brown		Slight HC Staining and Odor		T-2-15_9'_20160718	10:55		48.0	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					3.7	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					3.7	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
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18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-16

Drilling: Started: **7/19/16 0800** Completed: **7/19/16 0820**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325633.365** Easting (ft): **2325707.802**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	Rain on 7/18/16
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
4.0	ML	lean clay	yellowish orange		No HC Staining or Odor				4/4	0.5	dry	very hard
4.5	ML	lean clay	yellowish orange		No HC Staining or Odor					0.5	dry	very hard
5.0	ML	lean clay	yellowish orange		No HC Staining or Odor					0.3	dry	very hard
5.5	ML	lean clay	yellowish orange		No HC Staining or Odor					0.3	dry	very hard
6.0	ML	lean clay	yellowish orange		No HC Staining or Odor					0.3	dry	very hard
6.5	ML	lean clay	yellowish orange		No HC Staining or Odor		T-2-16_7'_20160719	8:20		0.3	dry	very hard
7.0	CL	lean clay	yellowish orange		No HC Staining or Odor					0.3	dry	very hard
7.5	CL	lean clay	yellowish orange		No HC Staining or Odor					0.3	dry	very hard
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-17

Drilling: Started: **7/19/16 0820** Completed: **7/19/16 0850**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325639.291** Easting (ft): **2325723.546**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.2	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
6.5	ML	silt with sand	light brown		No HC Staining or Odor		T-2-17_7'_20160719	8:40		0.0	dry	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	dry	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-18

Drilling: Started: **7/19/16 0850** Completed: **7/19/16 0940**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325641.990** Easting (ft): **2325745.506**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.1	dry	**Staining and odor identified at original boring location from 4' - 9' bgs (highest PID of 420.5 @ 5-6' bgs). Boring stepped out 5'.
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	Bulk Density: Length = 3.75 in, Width = 1.65 in, Mass = 8 3/4 oz . Collected @ 6.5' bgs.
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	11.4	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					11.4	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	dry	
5.5	CL	lean clay	light brown		No HC Staining or Odor		T-2-18_6'_20160719	9:40		0.9	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.3	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.3	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-2-19

Drilling: Started: **7/19/16 0925** Completed: **7/19/16 0950**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325649.392** Easting (ft): **2325754.346**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	33.6	dry	
4.5	ML	silt with sand	light brown		Slight HC Odor		T-2-19_5'_20160719	9:45		33.6	dry	
5.0	CL	lean clay with sand	light brown		Slight HC Odor					22.7	moist	
5.5	CL	lean clay with sand	light brown		Slight HC Odor					22.7	moist	
6.0	CL	lean clay with sand	light brown		No HC Staining or Odor					1.0	moist	
6.5	CL	lean clay with sand	light brown		No HC Staining or Odor					1.0	moist	
7.0	CL	lean clay with sand	light brown		No HC Staining or Odor					0.5	moist	
7.5	CL	lean clay with sand	light brown		No HC Staining or Odor					0.5	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-7

Drilling: Started: **7/15/16 1150** Completed: **7/15/16 1225**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325832.067** Easting (ft): **2325551.181**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft):
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.3	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	**Odor and staining encountered at original location from 6.5-8' bgs (PID = 450.0). Boring stepped out 5 feet, odor and staining again encountered at 7-8' bgs (PID = 155.2). Final point (logged here) is ~10' from original point.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.3	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	moist	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	moist	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-7_8'_20160715	12:25		0.9	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.8	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-8

Drilling: Started: **7/15/16 1310** Completed: **7/15/16 1435**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325852.565** Easting (ft): **2325580.501**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	4.4	dry	**Odor and staining encountered at original location from 7-8' bgs (PID = 519.8). Boring stepped out 5 feet, odor and staining again encountered at 7.25-8' bgs (PID = 509.6). Final point (logged here) is ~10' from original point, on edge of terrace.
0.5	ML	silt with sand	light brown		No HC Staining or Odor					4.4	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					2.2	moist	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	moist	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.1	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					29.0	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					29.0	moist	
8.0	CL	lean clay	light brown		Moderate HC Staining and Odor				3/4	12.0	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					12.0	moist	
9.0	CL	lean clay	light brown		Moderate HC Staining and Odor					240.0	moist	
9.5	CL	lean clay	light brown		Moderate HC Staining and Odor					240.0	moist	
10.0	CL	lean clay	light brown		Moderate HC Staining and Odor					340.0	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor	T-3-8_11'_20160715		14:30		340.0	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					21.0	moist	Soft sandstone present
11.5	CL	lean clay	light brown		No HC Staining or Odor	T-3-8_12'_20160715		14:35		21.0	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-9

Drilling: Started: **7/15/16 1350** Completed: **7/15/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325860.263** Easting (ft): **2325609.483**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **16.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	7.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					7.2	dry	**Odor and staining encountered at original location from 7.5-8' bgs (PID = 285.0). Boring stepped out 5 feet from original point, on edge of terrace.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					3.1	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					3.1	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	2.2	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					2.2	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					33.7	moist	
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor					33.7	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	59.9	moist	
8.5	CL	lean clay	light brown		Slight HC Odor					59.9	moist	
9.0	CL	lean clay	light brown		Moderate HC Staining and Odor					245.0	moist	
9.5	CL	lean clay	light brown		Moderate HC Staining and Odor					245.0	moist	
10.0	CL	lean clay	light brown		Moderate HC Staining and Odor					745.0	moist	soft sandstone present
10.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-3-9_11'_20160715	15:10		745.0	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					240.0	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					240.0	moist	
12.0	CL	lean clay	light brown		No HC Staining or Odor					56.0	moist	
12.5	CL	lean clay	light brown		Slight HC Odor					56.0	moist	
13.0	CL	lean clay	light brown		Slight HC Odor					320.0	moist	
13.5	CL	lean clay	light brown		No HC Staining or Odor					320.0	moist	
14.0	CL	lean clay	light brown		No HC Staining or Odor		T-3-9_15'_20160715	15:15		7.9	moist	
14.5	CL	lean clay	light brown		No HC Staining or Odor					7.9	moist	
15.0	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	
15.5	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-10

Drilling: Started: **7/15/16 1125** Completed: **7/15/16 1215**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325806.634** Easting (ft): **2325565.565**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	3.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					3.6	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					3.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					3.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					3.8	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					3.8	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.7	dry	hard
4.5	ML	silt with sand	light brown		No HC Staining or Odor					2.7	dry	hard
5.0	CL	lean clay	yellowish orange		No HC Staining or Odor					2.2	dry	hard
5.5	CL	lean clay	light brown		No HC Staining or Odor					2.2	dry	hard
6.0	CL	lean clay	light brown		No HC Staining or Odor					3.2	moist	hard
6.5	CL	lean clay	yellowish orange		No HC Staining or Odor					3.2	moist	hard
7.0	CL	lean clay	yellowish orange		No HC Staining or Odor					2.8	moist	hard
7.5	CL	lean clay	yellowish orange		No HC Staining or Odor		T-3-10_8'_20160715	12:15		2.8	moist	hard
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-11

Drilling: Started: **7/15/16 1010** Completed: **7/15/16 1105**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325816.653** Easting (ft): **2325602.007**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **16.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	moist	
3.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	2.6	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					2.6	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					25.9	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					25.9	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					12.9	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					12.9	moist	
7.0	CL	lean clay	light brown		Slight HC Odor					750.0	moist	
7.5	CL	lean clay	light brown		Slight HC Staining and Odor					750.0	moist	
8.0	CL	lean clay	light brown		Moderate HC Staining and Odor				4/4	170.0	moist	
8.5	CL	lean clay	light brown		Moderate HC Staining and Odor					170.0	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					520.0	moist	
9.5	CL	lean clay	light brown		Slight HC Staining and Odor					520.0	moist	
10.0	CL	lean clay	light brown		Slight HC Staining and Odor					410.0	moist	
10.5	CL	lean clay	light brown		Slight HC Staining and Odor					410.0	moist	
11.0	CL	lean clay	light brown		Slight HC Staining and Odor	T-3-11_12'_20160715		11:00		390.0	moist	
11.5	CL	lean clay	light brown		Slight HC Staining and Odor					390.0	moist	
12.0	CL	lean clay	light brown		Slight HC Staining and Odor				4/4	69.2	moist	
12.5	CL	lean clay	light brown		Slight HC Staining and Odor					69.2	moist	
13.0	CL	lean clay	light brown		Slight HC Staining and Odor					140.0	moist	
13.5	CL	lean clay	olive gray		Slight HC Staining and Odor					140.0	moist	
14.0	CL	lean clay	light brown		No HC Staining or Odor	T-3-11_15'_20160715		11:05		4.7	moist	
14.5	CL	lean clay	light brown		No HC Staining or Odor					4.7	moist	
15.0	CL	lean clay	light brown		No HC Staining or Odor					2.7	moist	
15.5	CL	lean clay	light brown		No HC Staining or Odor					2.7	moist	
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-12

Drilling: Started: **7/15/16 1425** Completed: **7/15/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325848.972** Easting (ft): **2325634.118**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	**Odor and staining encountered at original location from 7.8-8' bgs (PID = 316.2). Boring stepped out 5 feet from original point, on edge of terrace.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.8	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	moist	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	moist	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	1.0	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-12_9'_20160715	16:10		1.0	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-13

Drilling: Started: **7/15/16 1030** Completed: **7/15/16 1115**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325791.128** Easting (ft): **2325594.973**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.4	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	1.5	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
5.0	CL	lean clay	yellowish orange		No HC Staining or Odor					1.5	moist	very hard
5.5	CL	lean clay	yellowish orange		No HC Staining or Odor					1..5	moist	very hard
6.0	CL	lean clay	yellowish orange		No HC Staining or Odor					1.3	moist	very hard
6.5	CL	lean clay	yellowish orange		No HC Staining or Odor					1.3	moist	very hard
7.0	CL	lean clay	yellowish orange		No HC Staining or Odor					1.2	moist	very hard
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	very hard
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-14

Drilling: Started: **7/15/16 0930** Completed: **7/15/16 1005**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325787.448** Easting (ft): **2325613.728**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.3	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.7	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.6	dry	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.6	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-14_8'_20160715	10:05		0.5	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.6	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
9.0	CL	lean clay	yellowish orange		No HC Staining or Odor					0.5	moist	very hard
9.5	CL	lean clay	yellowish orange		No HC Staining or Odor					0.5	moist	very hard
10.0	CL	lean clay	yellowish orange		No HC Staining or Odor					0.2	moist	very hard
10.5	CL	lean clay	yellowish orange		No HC Staining or Odor					0.2	moist	very hard
11.0	CL	lean clay	yellowish orange		No HC Staining or Odor					0.4	moist	very hard
11.5	CL	lean clay	olive gray		No HC Staining or Odor					0.4	moist	very hard
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-15

Drilling: Started: **7/18/16 0855** Completed: **7/18/16 0920**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325773.036** Easting (ft): **2325625.423**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown						3/4	0.0	dry	
0.5	ML	silt with sand	light brown							0.0	dry	Bulk Density: Length = 3.90 in, Width = 1.53 in, Mass = 5 1/4 oz. Measure @ 2' bgs
1.0	ML	silt with sand	light brown							0.1	dry	
1.5	ML	silt with sand	light brown							0.1	dry	
2.0	ML	silt with sand	light brown							0.2	dry	
2.5	ML	silt with sand	light brown							0.2	dry	
3.0	ML	silt with sand	light brown							0.0	dry	
3.5	ML	silt with sand	light brown							0.0	dry	
4.0	ML	silt with sand	light brown						4/4	0.5	moist	
4.5	CL	lean clay	light brown							0.5	moist	
5.0	CL	lean clay	yellowish orange							0.7	moist	very hard
5.5	CL	lean clay	yellowish orange							0.7	moist	very hard
6.0	CL	lean clay	yellowish orange							0.3	moist	very hard
6.5	CL	lean clay	light brown							0.3	moist	
7.0	CL	lean clay	light brown				T-3-15_8'_20160718	9:20		0.4	moist	
7.5	CL	lean clay	light brown							0.4	moist	
8.0	CL	lean clay	light brown						4/4	0.4	moist	
8.5	CL	lean clay	light brown							0.4	moist	
9.0	CL	lean clay	light brown							0.8	moist	
9.5	CL	lean clay	light brown							0.8	moist	
10.0	CL	lean clay	light brown							0.5	moist	
10.5	CL	lean clay	light brown							0.5	moist	
11.0	CL	lean clay	light brown							0.9	moist	
11.5	CL	lean clay	light brown							0.9	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-16

Drilling: Started: **7/15/16 0820** Completed: **7/15/16 0905**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325790.857** Easting (ft): **2325645.433**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.2	dry	Bulk Density: length = 4.42", 1.68", mass = 10 5/8 oz. measure @7' bgs
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	18.5	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					18.5	moist	soft clay
5.0	CL	lean clay	light brown		No HC Staining or Odor					5.2	moist	soft clay
5.5	CL	lean clay	light brown		No HC Staining or Odor					5.2	moist	soft clay
6.0	CL	lean clay	light brown		No HC Staining or Odor					35.9	moist	soft clay
6.5	CL	lean clay	light brown		Slight HC Odor					35.9	moist	soft clay
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					406.0	moist	soft clay
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-3-16_8'_20160715	9:00		406.0	moist	soft clay
8.0	CL	lean clay	light brown		Moderate HC Staining and Odor				4/4	61.5	moist	soft clay
8.5	CL	lean clay	light brown		Moderate HC Staining and Odor		T-3-16_9'_20160715	9:05		61.5	moist	soft clay
9.0	CL	lean clay	light brown		Slight HC Staining and Odor					4.6	moist	soft clay
9.5	CL	lean clay	light brown		No HC Staining or Odor					4.6	moist	soft clay
10.0	CL	lean clay	light brown		No HC Staining or Odor					2.3	moist	soft clay
10.5	CL	lean clay	light brown		No HC Staining or Odor					2.3	moist	soft clay
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	soft clay
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	soft clay
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-17

Drilling: Started: **7/15/16 0845** Completed: **7/15/16 0915**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325792.846** Easting (ft): **2325673.387**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	8.7	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					8.7	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					55.2	dry	
5.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-17_6'_20160715	9:15		55.2	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					2.2	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					2.2	dry	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	dry	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	2.0	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-18

Drilling: Started: **7/15/16 0915** Completed: **7/15/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325816.642** Easting (ft): **2325658.292**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft):
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.5	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.6	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					3.4	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					3.4	dry	
7.0	CL	lean clay	light brown		Slight HC Odor					195.5	dry	
7.5	CL	lean clay	light brown		Slight HC Odor		T-3-18_8'_20160715	9:55		195.5	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	8.8	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-18_9'_20160715	10:00		8.8	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					3.2	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					3.2	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					2.1	moist	sandstone pieces
10.5	CL	lean clay	light brown		No HC Staining or Odor					2.1	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-19

Drilling: Started: **7/15/16 1545** Completed: **7/15/16 1615**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325828.252** Easting (ft): **2325662.709**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.8	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.7	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	moist	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	moist	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.7	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.7	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.5	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor	T-3-19_9'_20160715		16:15		0.5	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-3-20**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/18/16 0835** Completed: **7/18/16 0915**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325771.873**	Easting (ft): **2325683.309**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft):	Borehole Depth (ft): **12.0**
		Static DTW (ft):	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	Bulk Density: Length = 6.40 in, Width = 1.68 in, Mass = 9 7/8 oz. Measured @ 2' bgs
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.2	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.1	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.1	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.4	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-20_8'_20160718	9:15		0.4	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.4	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					0.4	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.2	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-21

Drilling: Started: **7/15/16 1640** Completed: **7/15/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325796.213** Easting (ft): **2325702.304**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft):
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with gravel	light brown		No HC Staining or Odor				4/4	0.4	dry	
0.5	ML	silt with gravel	light brown		No HC Staining or Odor					0.4	dry	
1.0	ML	silt with gravel	light brown		No HC Staining or Odor					0.7	dry	
1.5	ML	silt with gravel	light brown		No HC Staining or Odor					0.7	dry	
2.0	ML	silt with gravel	light brown		No HC Staining or Odor					0.4	dry	
2.5	ML	silt with gravel	light brown		No HC Staining or Odor					0.4	dry	
3.0	ML	silt with gravel	light brown		No HC Staining or Odor					0.5	dry	
3.5	ML	silt with gravel	light brown		No HC Staining or Odor					0.5	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.4	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.4	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					24.9	moist	
5.5	CL	lean clay	light brown		Slight HC Odor					24.9	moist	
6.0	CL	lean clay	light brown		Slight HC Odor					104.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					104.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	9.2	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-21_7'_20160715	17:25		9.2	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-3-22

Drilling: Started: **7/15/16 1620** Completed: **7/15/16 1700**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325814.318** Easting (ft): **2325687.699**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **12.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.6	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	moist	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.7	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor		T-3-22_9'_20160715	17:00		0.7	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-7

Drilling: Started: **7/13/16 1335** Completed: **7/13/16 1305**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325923.067** Easting (ft): **2325522.977**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt	light brown		No HC Staining or Odor				4/4	0.6	dry	very hard
0.5	ML	silt	light brown		No HC Staining or Odor					0.6	dry	very hard
1.0	ML	silt	light brown		No HC Staining or Odor					1.7	dry	very hard
1.5	ML	silt	light brown		No HC Staining or Odor					1.7	dry	very hard
2.0	ML	silt	light brown		No HC Staining or Odor					2.3	dry	very hard
2.5	ML	silt	light brown		No HC Staining or Odor					2.3	dry	very hard
3.0	CL	lean clay	light brown		No HC Staining or Odor					2.4	dry	very hard
3.5	CL	lean clay	light brown		No HC Staining or Odor					2.4	dry	very hard
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	1.6	dry	very hard
4.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	dry	very hard
5.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-7_6'	14:05		1.5	dry	very hard
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	dry	very hard
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	dry	very hard
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	dry	very hard
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	dry	very hard
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	dry	very hard
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-8

Drilling: Started: **7/13/16 1235** Completed: **7/13/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325907.477** Easting (ft): **2325517.287**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	1.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					3.6	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					3.6	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					3.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					3.5	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					2.7	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					2.7	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	73.0	moist	
4.5	ML	silt with sand	light brown		Slight HC Staining and Odor					73.0	moist	black staining
5.0	CL	lean clay	light brown		Moderate HC Staining and Odor					1550.0	moist	black staining
5.5	CL	lean clay	light brown		Moderate HC Staining and Odor					1550.0	moist	black staining
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor		T-4-8_6'	13:10		850.0	moist	black staining
6.5	CL	lean clay	light brown		Slight HC Staining and Odor					850.0	moist	black staining
7.0	CL	lean clay	light brown		Slight HC Staining and Odor					270.0	moist	black staining
7.5	CL	lean clay	light brown		Slight HC Staining and Odor					270.0	moist	black staining
8.0	CL	lean clay	light brown		Slight HC Staining and Odor				4/4	360.0	moist	black staining
8.5	CL	lean clay	light brown		Slight HC Staining and Odor					360.0	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					7.4	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					7.4	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-8_10'	13:15		2.9	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					2.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					2.9	moist	
11.5	CL	lean clay	yellowish orange		No HC Staining or Odor					2.9	moist	very hard
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-4-9**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/13/16 0820** Completed: **7/13/16 0930**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325890.600**	Easting (ft): **2325511.925**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **20.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	(P) = 0.5, 1.25, 1.5
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor		T-4-9_0-4	9:10		2.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	(P) = 2.5, 2.5, 1.5
3.5	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	
4.0	CL	silt with sand	light brown		No HC Staining or Odor				3/4	2.9	moist	
4.5	CL	silt with sand	light brown		No HC Staining or Odor					2.9	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	(P) = 1.0, 1.25, 0.75
5.5	CL	lean clay	light brown		No HC Staining or Odor		T-4-9_6'	9:10		1.1	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	(P) = 1.75, 0.5, 0.25
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-9_6-10	9:10	4/4	1.7	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					1.7	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					2.4	moist	(P) = 1.25, 1.25, 3.75
9.5	CL	lean clay	light brown		No HC Staining or Odor					2.4	moist	
10.0	CL	lean clay	greenish gray		No HC Staining or Odor					1.9	dry	
10.5	CL	lean clay	greenish gray		No HC Staining or Odor					1.9	dry	(P) = >4.5, >4.5, >4.5
11.0	CL	lean clay	greenish gray		No HC Staining or Odor					1.1	dry	
11.5	CL	lean clay	greenish gray		No HC Staining or Odor					1.1	dry	
12.0	CL	lean clay	greenish gray		No HC Staining or Odor				4/4	1.1	dry	
12.5	CL	lean clay	greenish gray		No HC Staining or Odor					1.1	dry	
13.0	CL	lean clay	greenish gray		No HC Staining or Odor					2.3	dry	(P) = 2.25, 4.25, 4.25, very hard
13.5	CL	lean clay	greenish gray		No HC Staining or Odor					2.3	dry	
14.0	CL	lean clay	greenish gray		No HC Staining or Odor					2.3	dry	
14.5	CL	lean clay	greenish gray		No HC Staining or Odor					2.3	dry	
15.0	CL	lean clay	greenish gray		No HC Staining or Odor					1.2	dry	(P) = 4.25, >4.5, >4.5, very hard
15.5	CL	lean clay	greenish gray		No HC Staining or Odor		T-4-10_12-20	9:10		1.2	dry	
16.0	CL	lean clay	greenish gray		No HC Staining or Odor				4/4	1.2	dry	
16.5	CL	lean clay	greenish gray		No HC Staining or Odor					1.2	dry	
17.0	CL	lean clay	greenish gray		No HC Staining or Odor					2.2	dry	(P) = <4.5, 4.25, 4.5, very hard
17.5	CL	lean clay	greenish gray		No HC Staining or Odor					2.2	dry	
18.0	CL	lean clay	greenish gray		No HC Staining or Odor					2.2	dry	
18.5	CL	lean clay	greenish gray		No HC Staining or Odor					2.2	dry	
19.0	CL	lean clay	greenish gray		No HC Staining or Odor					0.9	dry	(P) = >4.5, >4.5, 0.5, very hard
19.5	CL	lean clay	greenish gray		No HC Staining or Odor					0.9	dry	
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-4-10**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/13/16 1355** Completed: **7/13/16 1330**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325894.558**	Easting (ft): **2325520.803**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft):	Borehole Depth (ft): **12.0**
		Static DTW (ft):	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt	light brown		No HC Staining or Odor					4.4	dry	
0.5	ML	silt	light brown		No HC Staining or Odor					4.4	dry	
1.0	ML	silt	light brown		No HC Staining or Odor					1.3	dry	
1.5	ML	silt	light brown		No HC Staining or Odor					1.3	dry	
2.0	ML	silt	light brown		No HC Staining or Odor					1.8	dry	
2.5	ML	silt	light brown		No HC Staining or Odor					1.8	dry	
3.0	ML	silt	light brown		No HC Staining or Odor					3.0	dry	
3.5	ML	silt	light brown		No HC Staining or Odor					3.0	dry	
4.0	ML	silt	light brown		Slight HC Odor					3.9	dry	
4.5	CL	lean clay	light brown		Slight HC Odor					3.9	dry	
5.0	CL	lean clay	light brown		Slight HC Staining and Odor					420.0	dry	
5.5	CL	lean clay	light brown		Slight HC Staining and Odor					420.0	moist	~3" layer of soft sandstone
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor					1290.0	moist	black staining
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor					1290.0	moist	black staining
7.0	CL	lean clay	light brown		Slight HC Staining and Odor		T-4-10_7'	13:25		265.0	moist	black staining
7.5	CL	lean clay	light brown		Slight HC Staining and Odor					265.0	moist	black staining
8.0	CL	lean clay	light brown		Slight HC Staining and Odor					620.0	moist	black staining
8.5	CL	lean clay	light brown		Slight HC Odor					620.0	moist	black staining
9.0	CL	lean clay	light brown		Slight HC Odor					4.7	moist	black staining
9.5	CL	lean clay	light brown		Slight HC Odor					4.7	moist	~3" sandstone layer at 9'
10.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-10_10'	13:30		6.2	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					6.2	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					5.5	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					5.5	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-11

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **14:40** Completed: **15:15**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325889.133** Easting (ft): **2325549.629**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.00	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.90	dry	
0.50	ML	silt with sand	light brown		No HC Staining or Odor					1.90	dry	
1.00	ML	silt with sand	light brown		No HC Staining or Odor					0.40	dry	
1.50	ML	silt with sand	light brown		No HC Staining or Odor					0.40	dry	
2.00	ML	silt with sand	light brown		No HC Staining or Odor					0.60	dry	
2.50	ML	silt with sand	light brown		No HC Staining or Odor					0.60	dry	
3.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.2	dry	
3.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.2	dry	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	2.3	moist	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					2.3	moist	
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					9.1	moist	
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					9.1	moist	
6.0	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					334.5	moist	
6.5	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					334.5	moist	
7.0	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					389.2	moist	
7.5	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					389.2	moist	
8.0	CL	sandy lean clay	light brown		Moderate HC Odor				4/4	678.7	moist	
8.5	CL	sandy lean clay	light brown		Moderate HC Odor					678.7	moist	
9.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-4-11-9'	15:00		3.5	moist	
9.5	CL	sandy lean clay	light brown		No HC Staining or Odor					3.5	moist	
10.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-4-11-10'	15:10		2.3	moist	
10.5	CL	sandy lean clay	light brown		No HC Staining or Odor					2.3	moist	
11.0	CL	sandy lean clay	light brown		No HC Staining or Odor					2.2	moist	
11.5	CL	sandy lean clay	light brown		No HC Staining or Odor					2.2	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-4-12**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/13/16 0930** Completed: **7/13/16**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE *0501***
Installation:	Started: Completed:	Northing (ft): **1325874.522**	Easting (ft): **2325524.255**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **20.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor		T-4-12_0-4	11:10	3/4	0.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	(P) = 0.0, 0.0, 0.25
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					2.1	dry	(P) = 0.75, 1.75, 3.0
3.5	ML	silt with sand	light brown		No HC Staining or Odor					2.1	dry	
4.0	CL	lean clay	other		No HC Staining or Odor		T-4-12_4-10	11:10	4/4	1.0	moist	
4.5	CL	lean clay	other		No HC Staining or Odor					1.0	moist	
5.0	CL	lean clay	other		No HC Staining or Odor					2.2	moist	(P) = 1.75, 1.25, 1.75, dark brown
5.5	CL	lean clay	other		No HC Staining or Odor					2.2	moist	
6.0	CL	lean clay	other		No HC Staining or Odor		T-4-12_6'	10:30		0.5	moist	
6.5	CL	lean clay	other		No HC Staining or Odor					0.5	moist	
7.0	CL	lean clay	other		No HC Staining or Odor					2.3	moist	(P) = 3.5, 0.75, 0.5, dark brown
7.5	CL	lean clay	other		No HC Staining or Odor					2.3	moist	
8.0	CL	lean clay	other		No HC Staining or Odor				4/4		moist	
8.5	CL	lean clay	other		No HC Staining or Odor						moist	
9.0	CL	lean clay	other		No HC Staining or Odor						moist	(P) = 0.0, 0.0, 0.125, dark brown
9.5	CL	lean clay	other		No HC Staining or Odor						moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor						moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor						moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor						moist	(P) = 1.25, 0.0, 1.0, very hard
11.5	CL	lean clay	light brown		No HC Staining or Odor						moist	
12.0	CL	lean clay	light brown		No HC Staining or Odor				4/4		dry	
12.5	CL	lean clay	light brown		No HC Staining or Odor						dry	
13.0	CL	lean clay	light brown		No HC Staining or Odor						dry	(P) = 0.0, 0.0, 0.0
13.5	CL	lean clay	light brown		No HC Staining or Odor						dry	
14.0	CL	lean clay	light brown		No HC Staining or Odor						dry	
14.5	CL	lean clay	light brown		No HC Staining or Odor						dry	
15.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-12_15-16	11:05			dry	(P) = >4.5, 2.25, >4.5
15.5	CL	lean clay	light brown		No HC Staining or Odor						dry	
16.0	CL	lean clay	other		No HC Staining or Odor				4/4		dry	
16.5	CL	lean clay	other		No HC Staining or Odor						dry	(P) = >4.5, 1.5, 4.5, dark brown, very hard. 15-16.5' apparent coal seam, black
17.0	CL	lean clay	other		No HC Staining or Odor						dry	
17.5	CL	lean clay	other		No HC Staining or Odor						dry	
18.0	CL	lean clay	other		No HC Staining or Odor						dry	
18.5	CL	lean clay	other		No HC Staining or Odor						dry	
19.0	CL	lean clay	other		No HC Staining or Odor						dry	(P) = >4.5, >4.5, >4.5, dark brown, very hard
19.5	CL	lean clay	other		No HC Staining or Odor						dry	
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-13

Drilling: Started: **7/13/16 1440** Completed: **7/13/16 1545**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325873.717** Easting (ft): **2325571.377**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.8	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	**Moved point ~5' after identifiying staining and odor @5.5-6' bgs. Next point also had staining and odor at 8'bgs. Point moved again to ~12' from the original point to the southeast . New point is approximately 4' above terrace eleavtion on berm
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.8	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.8	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.5	CL	lean clay	light brown		No HC Staining or Odor					1.3	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	1.2	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
6.0	CL	lean clay	light brown		Slight HC Odor					31.8	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					31.8	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-13_7'	15:45		15.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					15.2	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	16.8	moist	
8.5	CL	lean clay	light brown		Slight HC Staining					16.8	moist	
9.0	CL	lean clay	light brown		Slight HC Staining					2.0	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-13_10'	15:45		1.8	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-14

Drilling: Started: **7/13/16 1400** Completed: **7/13/16 1440**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325892.443** Easting (ft): **2325583.338**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-14_6'	14:40		1.7	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.7	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-15

Drilling: Started: **7/13/16 1310** Completed: **7/13/16 1425**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325905.065** Easting (ft): **2325576.709**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): Borehole Depth (ft): **8.0**
Static DTW (ft): Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.5	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1.3	dry	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.3	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-15_6'	14:25		1.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	soft
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	soft
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-4-16

Drilling: Started: **7/13/16 1350** Completed: **7/13/16 1310**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325917.652** Easting (ft): **2325562.366**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.4	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.8	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.8	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-16_6'	14:10		1.4	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.4	dry	
7.0	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probe hole/Borehole No.	**T-4-17**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/12/16** Completed: **7/12/16**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: **15:20** Completed: **16:00**	Northing (ft.): **1325906.642**	Easting (ft.): **2325554.842**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft.):	TOC Elev (ft.): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft.): **N/A**	Borehole Depth (ft.): **12.0**
		Static DTW (ft.): **N/A**	Well Depth (ft.): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.5	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	4.4	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					4.4	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					4.1	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					4.1	dry	
6.0	CL	lean clay	light brown		No HC Staining or Odor					422.8	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					422.8	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					550.6	moist	
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor					550.6	moist	
8.0	CL	lean clay	light brown		Slight HC Odor		T-4-17-8'	16:15	4/4	308.2	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					308.2	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					1.9	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					1.9	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor		T-4-17-10'	16:20		1.9	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.9	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-7

Drilling: Started: **7/14/16 1055** Completed: **7/14/16 1115**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325961.851** Easting (ft): **2325469.937**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	3.0	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					3.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.9	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.9	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					4.5	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					4.5	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	4.0	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					4.0	moist	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					4.9	moist	
5.5	ML	silt with sand	light brown		No HC Staining or Odor		T-5-7_6'	11:15		4.9	moist	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					4.6	moist	~3" layer of fractured standstone
6.5	CL	lean clay	light brown		No HC Staining or Odor					4.6	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					3.1	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					3.1	moist	~3" layer of fractured sandstone
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
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15.5												
16.0												
16.5												
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18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-5-8**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/14/16 1010** Completed: **7/14/16 1125**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325984.743**	Easting (ft): **2325464.155**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **16.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	3.5	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					3.5	dry	**Boring stepped out on to berm. Obvious staining and odor at 7'bgs and 8-9' bgs at origianl location. New location 10' from original on top of berm, elevated ~4' above terrace..
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					3.1	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					3.1	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.8	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					2.8	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					2.6	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					2.6	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
6.5	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
7.0	ML	silt with sand	light brown		No HC Staining or Odor					9.1	dry	
7.5	ML	silt with sand	light brown		No HC Staining or Odor					9.1	dry	
8.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	355.9	moist	
8.5	ML	silt with sand	light brown		Slight HC Odor					355.9	moist	
9.0	CL	lean clay	light brown		Moderate HC Staining and Odor		T-5-8_10'_20160714	11:20		1770.0	moist	
9.5	CL	lean clay	light brown		Moderate HC Staining and Odor					1770.0	moist	
10.0	CL	lean clay	light brown		Moderate HC Staining and Odor					1108.0	moist	
10.5	CL	lean clay	light brown		Moderate HC Staining and Odor					1108.0	moist	
11.0	CL	lean clay	light brown		Moderate HC Staining and Odor					47.3	moist	
11.5	CL	lean clay	light brown		Slight HC Odor					47.3	moist	
12.0	CL	lean clay	light brown		Slight HC Odor				4/4	641.5	moist	
12.5	CL	lean clay	light brown		Slight HC Odor					641.5	moist	
13.0	CL	lean clay	light brown		No HC Staining or Odor					51.4	moist	
13.5	CL	lean clay	light brown		No HC Staining or Odor					51.4	moist	
14.0	CL	lean clay	light brown		No HC Staining or Odor		T-5-8_15'_20160714	11:25		11.1	moist	
14.5	CL	lean clay	light brown		No HC Staining or Odor					11.1	moist	
15.0	CL	lean clay	light brown		No HC Staining or Odor					8.5	moist	
15.5	CL	lean clay	light brown		No HC Staining or Odor					8.5	moist	
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-9

Drilling: Started: **7/14/16 1140** Completed: **7/14/16 1220**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325998.406** Easting (ft): **2325475.279**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **16.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	9.3	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					9.3	dry	**Boring stepped out on to berm. Obvious staining and odor at 7-8' bgs at origianl location. New location 10' from original on top of berm, elevated ~3' above terrace..
1.0	ML	silt with sand	light brown		No HC Staining or Odor					3.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					3.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					3.7	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					3.7	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					3.2	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					3.2	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	4.8	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					4.8	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
5.5	CL	lean clay	light brown		No HC Staining or Odor					2.3	dry	~3" fractured sandstone layer
6.0	CL	lean clay	light brown		No HC Staining or Odor					15.2	dry	
6.5	CL	lean clay	light brown		Slight HC Odor					15.2	dry	~3" fractured sandstone layer
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					685.0	moist	
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor					685.0	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor					55.9	dry	
8.5	CL	lean clay	light brown		No HC Staining or Odor					55.9	dry	
9.0	CL	lean clay	light brown		Moderate HC Staining and Odor		T-5-9_10'	12:15		683.9	moist	
9.5	CL	lean clay	light brown		Moderate HC Staining and Odor					683.9	moist	
10.0	CL	lean clay	light brown		Moderate HC Staining and Odor					361.3	moist	
10.5	CL	lean clay	light brown		Moderate HC Staining and Odor					361.3	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					12.8	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					12.8	moist	
12.0	CL	lean clay	light brown		Moderate HC Staining and Odor				4/4	106.4	moist	
12.5	CL	lean clay	light brown		Moderate HC Staining and Odor					106.4	moist	
13.0	CL	lean clay	light brown		Moderate HC Staining and Odor					95.6	moist	
13.5	CL	lean clay	light brown		No HC Staining or Odor					95.6	moist	
14.0	CL	lean clay	light brown		No HC Staining or Odor		T-5-9_15'	12:20		4.6	moist	
14.5	CL	lean clay	light brown		No HC Staining or Odor					4.6	moist	
15.0	CL	lean clay	light brown		No HC Staining or Odor					4.6	moist	
15.5	CL	lean clay	light brown		No HC Staining or Odor					4.6	moist	
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-10

Drilling: Started: **7/14/16 1325** Completed: **7/14/16 1400**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326005.987** Easting (ft): **2325494.448**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	3.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					3.7	dry	**Boring stepped out on to berm. Obvious staining and odor at 6-7.5' bgs at origianl location. New location ~10' from original on top of berm, elevated ~2' above terrace.
1.0	ML	silt with sand	light brown		No HC Staining or Odor					3.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					3.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.4	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					2.4	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					4.1	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					4.1	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor					3.2	dry	
6.5	ML	silt with sand	light brown		No HC Staining or Odor					3.2	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-5-10_8'	14:00		1.8	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	2.6	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					2.6	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.7	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.7	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-11

Drilling: Started: **7/14/16 1500** Completed: **7/14/16 1520**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325985.653** Easting (ft): **2325509.917**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.4	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.8	moist	
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.8	moist	
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	moist	
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor		T-5-11_6'	15:20		0.8	moist	
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.0	moist	
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-12

Drilling: Started: **7/14/16 1510** Completed: **7/14/16 1545**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325972.740** Easting (ft): **2325522.165**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	dry	
3.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.5	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.3	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.3	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor		T-5-12_9'	15:45	4/4	0.6	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-5-13**
Location:	**MEEKER, COLORADO**		
Project Number:	**212201118**		
Drilling:	Started: **7/13/16 1630** Completed: **7/13/16**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: Completed:	Northing (ft): **1325979.122**	Easting (ft): **2325501.990**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **12.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	0.2	dry	Density: L=4.95", D=1.64", Wt.=12.125 oz @5'
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.1	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	112.0	moist	
4.5	CL	lean clay with sand	light brown		No HC Staining or Odor					112.0	moist	
5.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					200.8	moist	black staining
5.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					200.8	moist	black staining
6.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					418.2	moist	black staining
6.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					418.2	moist	black staining
7.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					248.4	moist	black staining
7.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					248.4	moist	black staining
8.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor		T-5-13_9'	17:00	4/4	238.0	moist	black staining
8.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					238.0	moist	black staining
9.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					321.4	moist	black staining
9.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					321.4	moist	black staining
10.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor		T-5-13_11'	17:00		9.9	moist	black staining
10.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					9.9	moist	black staining
11.0	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					5.5	moist	black staining
11.5	CL	lean clay with sand	light brown		Moderate HC Staining and Odor					5.5	moist	black staining
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-14

Drilling: Started: **7/14/16 1550** Completed: **7/14/16 1635**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325954.550** Easting (ft): **2325519.452**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	2.3	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.1	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.1	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	very hard
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	moist	very hard
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	2.2	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					2.2	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					2.0	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	dry	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor		T-5-14_8'	16:35		1.1	moist	
8.0	CL	lean clay	light brown		No HC Staining or Odor				3/4	8.9	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					8.9	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.1	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.7	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.7	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-15

Drilling: Started: **7/14/16 1615** Completed: **7/14/16 1645**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325953.889** Easting (ft): **2325505.863**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.2	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	moist	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	moist	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	1.6	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					1.6	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor		T-5-15_8'	16:45		1.5	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.5	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **MEEKER, COLORADO**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-5-16

Drilling: Started: **7/14/16 0930** Completed: **7/14/16 1105**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325957.931** Easting (ft): **2325485.690**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	3.3	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					3.3	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.3	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.4	moist	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	moist	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	154.6	moist	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					154.6	moist	
5.0	CL	lean clay	light brown		Moderate HC Odor					2139.0	moist	
5.5	CL	lean clay	light brown		Moderate HC Staining and Odor					2139.0	moist	
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor		T-5-16_6'	11:00		1506.0	moist	
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor					1506.0	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					26.1	moist	
7.5	CL	lean clay	light brown		Slight HC Odor					26.1	moist	
8.0	CL	lean clay	light brown		Moderate HC Staining and Odor				4/4	400.5	moist	
8.5	CL	lean clay	light brown		Moderate HC Staining and Odor					400.5	moist	
9.0	CL	lean clay	light brown		Slight HC Odor					23.0	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					23.0	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor					9.4	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor		T-5-16_11'	11:05		9.4	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					7.6	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					7.6	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-7

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **13:45** Completed: **13:55**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326048.761** Easting (ft): **2325417.214**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
3.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	dry	
3.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	moist	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	0.9	moist	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	moist	
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.5	moist	
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.5	moist	
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-7-6'	13:50		1.1	moist	
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.1	moist	
7.0	CL	sandy lean clay	light brown		Slight HC Odor					0.5	moist	
7.5	CL	sandy lean clay	light brown		Slight HC Odor					0.5	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-8

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **13:20** Completed: **13:40**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326051.023** Easting (ft): **2325437.758**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.1	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.3	dry	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	2.3	dry	hard
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					2.3	dry	hard
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.7	dry	hard
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.7	dry	hard
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-8-6'	13:40		0.2	dry	hard
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.2	dry	hard
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.5	dry	hard
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.5	dry	hard
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-9

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326040.901** Easting (ft): **2325450.946**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.1	dry	Soft
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	Soft
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	Soft
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	Soft
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	Soft
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	Soft
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	Soft
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	Soft
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	1.1	moist	Soft
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.1	moist	Soft
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.3	moist	Soft
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.3	moist	Soft
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-9-6'	13:20		0.4	moist	Soft
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.4	moist	Soft
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.6	moist	Soft
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.6	moist	Soft
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-10

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: **16:15** Completed: **16:30**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Bryon Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326027.483** Easting (ft): **2325445.598**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7662.5** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.8	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	soft
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.3	dry	soft
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	soft
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	soft
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	5.0	dry	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-10-5	16:30		5.0	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor		T-6-10-5	16:30		0.9	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.9	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.8	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-11

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: **16:35** Completed: **17:10**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326036.162** Easting (ft): **2325423.446**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7662.1** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	soft
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	soft
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	soft
3.0	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	
3.5	CL	lean clay	light brown		No HC Staining or Odor					0.5	moist	soft
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	69.8	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					69.8	moist	
5.0	CL	lean clay	light brown		No HC Staining or Odor					1135.0	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					1135.0	moist	
6.0	CL	lean clay	light brown		Slight HC Odor					1406.0	moist	
6.5	CL	lean clay	light brown		Slight HC Odor					1406.0	moist	
7.0	CL	lean clay	light brown		Slight HC Odor		T-6-11-7	17:05		26.8	moist	
7.5	CL	lean clay	light brown		Slight HC Odor					26.8	moist	
8.0	CL	lean clay	light brown		Slight HC Odor				4/4	380.4	moist	
8.5	CL	lean clay	light brown		No HC Staining or Odor					380.4	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					6.3	moist	
9.5	CL	lean clay	light brown		No HC Staining or Odor					6.3	moist	
10.0	CL	lean clay	light brown		No HC Staining or Odor		T-6-11-10	17:10		1.8	moist	
10.5	CL	lean clay	light brown		No HC Staining or Odor					1.8	moist	
11.0	CL	lean clay	light brown		No HC Staining or Odor					0.3	moist	
11.5	CL	lean clay	light brown		No HC Staining or Odor					0.3	moist	hard
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-6-12**
Location:	**Terrace 6**		
Project Number:	**212201118**		
Drilling:	Started: **7/12/16** Completed: **7/12/16**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: **9:20** Completed: **10:15**	Northing (ft): **1326015.181**	Easting (ft): **2325412.407**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft):	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **20.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor		T-6-12-0'	10:15	4/4	2.8	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.8	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.6	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.6	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	1.8	moist	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.8	moist	
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.4	moist	dark agregate debris (possibly asphalt).
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.4	moist	dark agregate debris (possibly asphalt).
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-12-6'	10:05		2.3	moist	dark agregate debris (possibly asphalt).
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					2.3	moist	dark agregate debris (possibly asphalt).
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.5	moist	dark agregate debris (possibly asphalt).
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.5	moist	dark agregate debris (possibly asphalt).
8.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P=0.0, 0.0, 0.0
8.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.0, 0.0
9.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.0, 0.0
9.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.0, 0.0
10.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=1.75, 4.25, 2.75
10.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=1.75, 4.25, 2.75
11.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=1.75, 4.25, 2.75
11.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=1.75, 4.25, 2.75
12.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P=0.0, 0.0, 1.25; rock fragments (Sandstone), Hard
12.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.0, 1.25; rock fragments (Sandstone), Hard
13.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.0, 1.25; rock fragments (Sandstone), Hard
13.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.0, 1.25; rock fragments (Sandstone), Hard
14.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= >4.5, 0.25, 0.5, 1.25
14.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= >4.5, 0.25, 0.5, 1.25
15.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= >4.5, 0.25, 0.5, 1.25
15.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= >4.5, 0.25, 0.5, 1.25
16.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P= 0.125, 0.0, 2.25
16.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.125, 0.0, 2.25
17.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.125, 0.0, 2.25
17.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.125, 0.0, 2.25
18.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=2.75, 2.75, >4.5
18.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=2.75, 2.75, >4.5
19.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=2.75, 2.75, >4.5
19.5	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-12-20	10:15			moist	P=2.75, 2.75, >4.5
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-6-13**
Location:	**Terrace 6**		
Project Number:	**212201118**		

Drilling:	Started: **7/12/16**	Completed: **7/12/16**	Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**		
Installation:	Started: **8:55**	Completed: **9:10**	Northing (ft): **1326013.660**	Easting (ft): **2325423.608**	
Drilling Company:	**STANTEC CONSULTING**		Latitude: **N/A**	Longitude: **N/A**	
Drilling Equipment:	**Geoprobe**		Ground Elev (ft):	TOC Elev (ft): **N/A**	
Sampling Method:	**Macro Core**		Initial DTW (ft): **N/A**	Borehole Depth (ft): **12.0**	
			Static DTW (ft): **N/A**	Well Depth (ft): **N/A**	
Logged By:	**Byron Collins**	Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**	

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.2	dry	Soft
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	Soft
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	Soft
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	Soft
2.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.1	dry	Hard
2.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.1	dry	Hard
3.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.3	dry	Hard
3.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.3	dry	Hard
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	12.7	dry	Hard
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					12.7	dry	Hard
5.0	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					830.2	dry	Hard
5.5	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					830.2	dry	Hard
6.0	CL	sandy lean clay	light brown		Moderate HC Staining and Odor		T-6-13-6'	9:15		727.8	dry	Hard
6.5	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					727.8	dry	Hard
7.0	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					51.2	dry	Hard
7.5	CL	sandy lean clay	light brown		Moderate HC Staining and Odor					51.2	dry	Hard
8.0	CL	sandy lean clay	light brown		Slight HC Staining and Odor				4/4	249.1	dry	Between 8-9' hard clay layer
8.5	CL	sandy lean clay	light brown		Slight HC Staining and Odor					249.1	dry	Between 8-9' hard clay layer
9.0	CL	sandy lean clay	light brown		No HC Staining or Odor					5.8	moist	
9.5	CL	sandy lean clay	light brown		No HC Staining or Odor					5.8	moist	
10.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-13-10'	9:15		1.5	moist	
10.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.5	moist	
11.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	moist	
11.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	moist	
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-14

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **10:20** Completed: **11:15**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1325990.369** Easting (ft): **2325425.685**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **20.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor		T-6-14-0'	11:15	4/4	0.6	dry	P=0,0,0.75
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	P=0,0,0.75
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	P=0,0,0.75
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	P=0,0,0.75
2.0	ML	silt with sand	light brown		No HC Staining or Odor					4.0	dry	P=1.0, 1.5, 0.5; Stone Layer at 2' bgs
2.5	ML	silt with sand	light brown		No HC Staining or Odor					4.0	dry	P=1.0, 1.5, 0.5; Stone Layer at 2' bgs
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	P=1.0, 1.5, 0.5; Stone Layer at 2' bgs
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	P=1.0, 1.5, 0.5; Stone Layer at 2' bgs
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.9	dry	P=2.5, 2.75, 3.25
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	P=2.5, 2.75, 3.25
5.0	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	P=2.5, 2.75, 3.25
5.5	ML	silt with sand	light brown		No HC Staining or Odor					1.9	dry	P=2.5, 2.75, 3.25
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-14-6'	11:10		3.8	dry	P=2.75, 0.75, 0.5
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					3.8	dry	P=2.75, 0.75, 0.5
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					2.8	moist	P=2.75, 0.75, 0.5
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					2.8	moist	P=2.75, 0.75, 0.5
8.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P=0.5, 2.5, 3.25
8.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 2.5, 3.25
9.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 2.5, 3.25
9.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 2.5, 3.25
10.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 1.25, 0.5, Stiff
10.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 1.25, 0.5, Stiff
11.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 1.25, 0.5, Stiff
11.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 1.25, 0.5, Stiff
12.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P=0.125, 0.25, 0.75, Stiff
12.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 0.25, 0.75, Stiff
13.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 0.25, 0.75, Stiff
13.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 0.25, 0.75, Stiff
14.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.5, 0.0, Stiff
14.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.5, 0.0, Stiff
15.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.5, 0.0, Stiff
15.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.5, 0.0, Stiff
16.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P=0.0, 0.5, 0.5
16.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.5, 0.5
17.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.5, 0.5
17.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.0, 0.5, 0.5
18.0	CL	sandy lean clay	light brown		No HC Staining or Odor						wet	P=2.25, 1.5, 1.75
18.5	CL	sandy lean clay	light brown		No HC Staining or Odor						wet	P=2.25, 1.5, 1.75
19.0	CL	sandy lean clay	light brown		No HC Staining or Odor						wet	P=2.25, 1.5, 1.75
19.5	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-14-20	11:15			wet	P=2.25, 1.5, 1.75
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-15

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: Completed:
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326010.892** Easting (ft): **2325447.750**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7663.0** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **12.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.7	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.6	dry	
3.0	CL	lean clay	light brown		No HC Staining or Odor					0.6	dry	
3.5	CL	lean clay	light brown		No HC Staining or Odor					0.6	moist	
4.0	CL	lean clay	light brown		No HC Staining or Odor					353.0	moist	
4.5	CL	lean clay	light brown		No HC Staining or Odor					353.0	moist	Bulk Density (starting at 5ft): 4.53" long 1.62" dia, 9.5 ounces
5.0	CL	lean clay	light brown		High HC Staining and Odor					1668.0	moist	black staining
5.5	CL	lean clay	light brown		High HC Staining and Odor					1668.0	moist	hard
6.0	CL	lean clay	light brown		Moderate HC Staining and Odor		T-6-15-6	17:40		1068.0	moist	hard
6.5	CL	lean clay	light brown		Moderate HC Staining and Odor					1068.0	moist	
7.0	CL	lean clay	light brown		Moderate HC Staining and Odor					6.2	moist	
7.5	CL	lean clay	light brown		Moderate HC Staining and Odor					6.2	moist	
8.0	CL	lean clay	light brown		Moderate HC Staining and Odor					943.0	moist	
8.5	CL	lean clay	light brown		Moderate HC Staining and Odor					943.0	moist	
9.0	CL	lean clay	light brown		No HC Staining or Odor					40.0	moist	soft
9.5	CL	lean clay	light brown		No HC Staining or Odor					40.0	moist	soft
10.0	CL	lean clay	light brown		No HC Staining or Odor		T-6-15-10	17:40		6.1	moist	soft
10.5	CL	lean clay	light brown		No HC Staining or Odor					6.1	moist	soft
11.0	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	soft
11.5	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	soft
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-16

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **11:25** Completed: **11:40**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326005.741** Easting (ft): **2325459.513**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.9	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.9	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.7	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.6	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.8	dry	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	5.0	moist	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					5.0	moist	
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	moist	
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	moist	
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-16-6'	11:40		4.3	moist	
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					4.3	moist	
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					1.4	moist	
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					1.4	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-17

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **11:50** Completed: **12:05**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326015.446** Easting (ft): **2325472.786**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.8	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.8	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.7	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.7	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
3.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	dry	
3.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.8	moist	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	34.4	moist	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					34.4	moist	
5.0	CL	sandy lean clay	light brown		Moderate HC Odor					102.7	moist	
5.5	CL	sandy lean clay	light brown		Moderate HC Odor					102.7	moist	
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-17-6'	12:00		3.4	moist	
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					3.4	moist	
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	moist	
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 6**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-6-18

Drilling: Started: **7/12/16** Completed: **7/12/16**
Installation: Started: **12:10** Completed: **12:20**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326027.652** Easting (ft):
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	1.4	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.4	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.2	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.4	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.9	dry	
4.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4	0.7	dry	
4.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.7	dry	
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	moist	
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.9	moist	
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-6-18-6'	12:20		0.6	moist	
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.6	moist	
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor					0.6	moist	
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor					0.6	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 7**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-7-7

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: **13:20** Completed: **13:35**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326231.704** Easting (ft): **2325354.532**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7642.1** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
4.0	CL	lean clay	light brown		No HC Staining or Odor				4/4	0.0	dry	
4.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor		T-7-7-6	13:35		0.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 7**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-7-8

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: **13:10** Completed: **13:20**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Byron Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326216.236** Easting (ft): **2325353.928**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7642.6** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	2.5	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.9	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.9	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					1.5	dry	
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
6.0	ML	silt with sand	light brown		No HC Staining or Odor		T-7-8-6	13:20		0.0	dry	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 7**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-7-9

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: **12:00** Completed: **12:15**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **Bryon Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326202.517** Easting (ft): **2325367.657**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7643.7** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	
4.0	ML	silt	light brown		No HC Staining or Odor				4/4	0.0	dry	
4.5	ML	silt	light brown		No HC Staining or Odor					0.0	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor		T-7-9-6	12:10		0.0	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project: **Chevron Wilson Creek - NE Terraced Area**
Location: **Terrace 7**
Project Number: **212201118**

Well/Probehole/Borehole No.

T-7-10

Drilling: Started: **7/11/16** Completed: **7/11/16**
Installation: Started: **11:30** Completed: **11:55**
Drilling Company: **STANTEC CONSULTING**
Drilling Equipment: **Geoprobe**
Sampling Method: **Macro Core**

Logged By: **B. Collins** Checked By: **Brent Lucyk**

Location Datum: **STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Northing (ft): **1326201.504** Easting (ft): **2325387.398**
Latitude: **N/A** Longitude: **N/A**
Ground Elev (ft): **7644.1** TOC Elev (ft): **N/A**
Initial DTW (ft): **N/A** Borehole Depth (ft): **8.0**
Static DTW (ft): **N/A** Well Depth (ft): **N/A**
Well Casing Diameter (in): **N/A** Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor				3/4	1.0	dry	
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	
3.0	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
3.5	ML	silt with sand	light brown		No HC Staining or Odor					2.5	dry	
4.0	ML	silt	light brown		No HC Staining or Odor				4/4	1.4	dry	
4.5	ML	silt	light brown		No HC Staining or Odor					1.4	dry	
5.0	CL	lean clay	light brown		No HC Staining or Odor					2.8	moist	
5.5	CL	lean clay	light brown		No HC Staining or Odor					2.8	moist	
6.0	CL	lean clay	light brown		No HC Staining or Odor		T-7-10-6	11:55		1.4	moist	
6.5	CL	lean clay	light brown		No HC Staining or Odor					1.4	moist	
7.0	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
7.5	CL	lean clay	light brown		No HC Staining or Odor					1.2	moist	
8.0												
8.5												
9.0												
9.5												
10.0												
10.5												
11.0												
11.5												
12.0												
12.5												
13.0												
13.5												
14.0												
14.5												
15.0												
15.5												
16.0												
16.5												
17.0												
17.5												
18.0												
18.5												
19.0												
19.5												
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-7-11**
Location:	**Terrace 7**		
Project Number:	**212201118**		
Drilling:	Started: **7/11/16** Completed: **7/11/16**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0501**
Installation:	Started: **13:35** Completed: **14:20**	Northing (ft): **1326220.804**	Easting (ft): **2325384.428**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft): **7643.7**	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **20.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Bryon Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor		T-7-11-0	14:30	4/4	0.0	dry	P = 1.75, 0.0, 0.75
0.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P = 1.75, 0.0, 0.75
1.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P = 1.75, 0.0, 0.75
1.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P = 1.75, 0.0, 0.75
2.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P= 0.25, 0.5, 1.25
2.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P= 0.25, 0.5, 1.25
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P= 0.25, 0.5, 1.25
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P= 0.25, 0.5, 1.25
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4	0.0	dry	P-0.75, 2.0, 2.75
4.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P-0.75, 2.0, 2.75
5.0	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P-0.75, 2.0, 2.75
5.5	ML	silt with sand	light brown		No HC Staining or Odor					0.0	dry	P-0.75, 2.0, 2.75
6.0	ML	silt with sand	light brown		No HC Staining or Odor		T-7-11-6	14:30		0.0	dry	P-1.25, 0.75, 0.75
6.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	P-1.25, 0.75, 0.75
7.0	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	P-1.25, 0.75, 0.75
7.5	CL	lean clay	light brown		No HC Staining or Odor					0.0	moist	P-1.25, 0.75, 0.75
8.0	CL	lean clay	light brown		No HC Staining or Odor		T-7-11-8	14:30	4/4		moist	P= 0.25, 0.25, 0.125
8.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.25, 0.125
9.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.25, 0.125
9.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P= 0.25, 0.25, 0.125
10.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.125, 0.75, 0.5
10.5	CL	lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.125, 0.75, 0.5
11.0	CL	lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.125, 0.75, 0.5
11.5	CL	lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.125, 0.75, 0.5
12.0	CL	lean clay with gravel	light brown		No HC Staining or Odor				4/4		moist	P= 0.25, 0.75, 0.75
12.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P= 0.25, 0.75, 0.75
13.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P= 0.25, 0.75, 0.75
13.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P= 0.25, 0.75, 0.75
14.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 3.25, 2.5
14.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 3.25, 2.5
15.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 3.25, 2.5
15.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 3.25, 2.5
16.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor				4/4		moist	P=1.5, 2.5, 2.75
16.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=1.5, 2.5, 2.75
17.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=1.5, 2.5, 2.75
17.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=1.5, 2.5, 2.75
18.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 2.5, 1.75
18.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 2.5, 1.75
19.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 2.5, 1.75
19.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=2.75, 2.5, 1.75
20.0												

Project:	**Chevron Wilson Creek - NE Terraced Area**	Well/Probehole/Borehole No.	**T-7-12**
Location:	**Terrace 7**		
Project Number:	**212201118**		
Drilling:	Started: **7/11/16** Completed: **7/11/16**	Location Datum:	**STATE PLANE COORDINATE SYSTEM, COLORADO NORTH ZONE 0502**
Installation:	Started: **14:20** Completed: **15:30**	Northing (ft): **1326233.644**	Easting (ft): **2325393.258**
Drilling Company:	**STANTEC CONSULTING**	Latitude: **N/A**	Longitude: **N/A**
Drilling Equipment:	**Geoprobe**	Ground Elev (ft): **7646.7**	TOC Elev (ft): **N/A**
Sampling Method:	**Macro Core**	Initial DTW (ft): **N/A**	Borehole Depth (ft): **20.0**
		Static DTW (ft): **N/A**	Well Depth (ft): **N/A**
Logged By:	**Byron Collins** Checked By: **Brent Lucyk**	Well Casing Diameter (in): **N/A**	Borehole Diameter (in): **2.25'**

Depth	USCS	Group Name	Color	Graphic Log	Visual Observations	Site Specific Visual Observation	Sample ID	Time Sample ID (military time)	Measured Recovery	HeadSpace PID HeadSpace ppmv	Moisture Content	Comments
0.0	ML	silt with sand	light brown		No HC Staining or Odor		T-7-12-0	13:50	4/4	1.0	dry	P= 0.75, 0.25, 0.25
0.5	ML	silt with sand	light brown		No HC Staining or Odor					1.0	dry	P= 0.75, 0.25, 0.25
1.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	P= 0.75, 0.25, 0.25
1.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	P= 0.75, 0.25, 0.25
2.0	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	P= 0.75, 0.125, 0.25
2.5	ML	silt with sand	light brown		No HC Staining or Odor					1.1	dry	P= 0.75, 0.125, 0.25
3.0	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	P= 0.75, 0.125, 0.25
3.5	ML	silt with sand	light brown		No HC Staining or Odor					0.5	dry	P= 0.75, 0.125, 0.25
4.0	ML	silt with sand	light brown		No HC Staining or Odor				4/4		dry	P=0.5, 0.5, 1.25
4.5	ML	silt with sand	light brown		No HC Staining or Odor						dry	P=0.5, 0.5, 1.25
5.0	CL	sandy lean clay	light brown		No HC Staining or Odor						dry	P=0.5, 0.5, 1.25
5.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 0.5, 1.25
6.0	CL	sandy lean clay	light brown		No HC Staining or Odor		T-7-12-6	15:30			moist	P=0.5, 1.75, 4.0
6.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 1.75, 4.0
7.0	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 1.75, 4.0
7.5	CL	sandy lean clay	light brown		No HC Staining or Odor						moist	P=0.5, 1.75, 4.0
8.0	CL	sandy lean clay	light brown		No HC Staining or Odor				4/4		moist	P=3.5, 2.75, 0.75
8.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=3.5, 2.75, 0.75
9.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=3.5, 2.75, 0.75
9.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=3.5, 2.75, 0.75
10.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.75, 1.5, 0.5
10.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.75, 1.5, 0.5
11.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.75, 1.5, 0.5
11.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=0.75, 1.5, 0.5
12.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor				4/4		moist	P=1.25, 1.5, 0.5
12.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=1.25, 1.5, 0.5
13.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=1.25, 1.5, 0.5
13.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=1.25, 1.5, 0.5
14.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=4.25, 2.75, 3.5
14.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=4.25, 2.75, 3.5
15.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=4.25, 2.75, 3.5
15.5	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor						moist	P=4.25, 2.75, 3.5
16.0	CL	sandy lean clay with gravel	light brown		No HC Staining or Odor				4/4		moist	P=0.75, 0.5, 2.75
16.5	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.75, 0.5, 2.75
17.0	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.75, 0.5, 2.75
17.5	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.75, 0.5, 2.75
18.0	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.0, 3.25, 4.25
18.5	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.0, 3.25, 4.25
19.0	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.0, 3.25, 4.25
19.5	CL	lean clay with sand	light brown		No HC Staining or Odor						moist	P=0.0, 3.25, 4.25
20.0												

Appendix C

Analytical Laboratory Report

Supplemental Report

Report ID: S74190.01(03)
Generated on 06/30/2016
Replaces report S74190.01(02) generated on 06/27/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

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Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S74190.01-S74190.20
Project: Wilson Creek
Collected Date: 06/15/2016
Submitted Date/Time: 06/20/2016 08:00
Sampled by: Seth Maher
P.O. #: 212201118_712

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

Boron hot water samples reextracted and reran per client request

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
20B	20B
E120.1	EPA Method 120.1 Revision 1982
E200.8	EPA Method 200.8 Revision 5.4
E625-SIMS	EPA Method 625 SIMS
SM2540B	Standard Method 2540 B 20th Edition
SM3500-Cr B	Standard Method 3500 Cr B 20th Edition
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270D	SW 846 Method 8270D Revision 4 February 2007
SW9045D	SW 846 Method 9045D Revision 4 November 2004

Sample Summary (20 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74190.01	T-7-6_4'_20160615	Soil	06/15/16 10:26
S74190.02	T-7-6_5'_20160615	Soil	06/15/16 10:26
S74190.03	T-7-6_6'_20160615	Soil	06/15/16 10:26
S74190.04	T-4-6_4'_20160615	Soil	06/15/16 16:30
S74190.05	T-4-6_7'_20160615	Soil	06/15/16 16:30
S74190.06	T-4-6_8.5'_20160615	Soil	06/15/16 16:30
S74190.07	T-5-6_4'_20160615	Soil	06/15/16 14:30
S74190.08	T-5-6_7'_20160615	Soil	06/15/16 14:30
S74190.09	T-5-6_9'_20160615	Soil	06/15/16 14:30
S74190.10	T-6-6_4'_20160615	Soil	06/15/16 12:02
S74190.11	T-6-6_5'_20160615	Soil	06/15/16 12:02
S74190.12	T-6-6_10'_20160615	Soil	06/15/16 12:02
S74190.13	T-2-6_4'_20160616	Soil	06/15/16 09:27
S74190.14	T-2-6_6'_20160616	Soil	06/15/16 09:27
S74190.15	T-2-6_6.5'_20160616	Soil	06/15/16 09:27
S74190.16	T-1-6_4'_20160616	Soil	06/15/16 10:40
S74190.17	T-1-6_6'_20160616	Soil	06/15/16 10:40
S74190.18	T-1-6_7.5'_20160616	Soil	06/15/16 10:40
S74190.19	T-3-6_4'_20160616	Soil	06/15/16 12:10
S74190.20	T-3-6_5.75'_20160616	Soil	06/15/16 12:10

Lab Sample ID: S74190.01
Sample Tag: T-7-6_4'_20160615
Collected Date/Time: 06/15/2016 10:26
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	79	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	147,000	ug/kg	17,000	SW8015M	06/24/16 09:04	PL		
TPH DRO (C32-C36)	21,000	ug/kg	17,000	SW8015M	06/24/16 09:04	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 19:00	JGH		

Lab Sample ID: S74190.02
Sample Tag: T-7-6_5'_20160615
Collected Date/Time: 06/15/2016 10:26
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 15:35	JKB	18540-29-9	
Conductivity	1,680	umhos/cm		E120.1	06/23/16 13:10	JKB		
pH/ Corrosivity	7.68	STD Units	0.01	SW9045D	06/22/16 12:50	ASB		
Total Solids	80	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	3.07	mg/kg	0.20	SW6020A	06/30/16 16:10	PER	7440-38-2	
Barium	193	mg/kg	1.0	SW6020A	06/30/16 16:10	PER	7440-39-3	
Cadmium	0.34	mg/kg	0.20	SW6020A	06/30/16 16:10	PER	7440-43-9	
Chromium III	5.80	mg/kg	1.0	SW6020A	06/30/16 16:10	PER	16065-83-1	
Chromium	5.80	mg/kg	0.50	SW6020A	06/30/16 16:10	PER	7440-47-3	
Copper	15.7	mg/kg	0.50	SW6020A	06/30/16 16:10	PER	7440-50-8	
Lead	16.1	mg/kg	0.20	SW6020A	06/30/16 16:10	PER	7439-92-1	
Mercury	0.065	mg/kg	0.050	SW7471B	06/22/16 16:14	RGS	7439-97-6	
Nickel	11.3	mg/kg	0.50	SW6020A	06/30/16 16:10	PER	7440-02-0	
Selenium	0.61	mg/kg	0.40	SW6020A	06/30/16 16:10	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:10	PER	7440-22-4	
Zinc	56.2	mg/kg	0.50	SW6020A	06/30/16 16:10	PER	7440-66-6	
Boron	1.15	mg/L	0.10	E200.8	06/29/16 18:15	PER	7440-42-8	
Calcium	448	mg/L	0.50	E200.8	06/30/16 12:19	PER	7440-70-2	
Magnesium	53.5	mg/L	0.20	E200.8	06/30/16 12:19	PER	7439-95-4	
Sodium	20.1	mg/L	0.50	E200.8	06/30/16 12:19	PER	7440-23-5	
Sodium Adsorption Ratio	0.239	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/24/16 22:47	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/24/16 22:47	PL	53-70-3	
TPH DRO (C10-C32)	1,962,000	ug/kg	31,000	SW8015M	06/24/16 04:13	PL		E
TPH DRO (C10-C32) (Replicate 01)	1,593,000	ug/kg	62,000	SW8015M	06/25/16 02:47	PL		
TPH DRO (C32-C36)	117,000	ug/kg	31,000	SW8015M	06/24/16 04:13	PL		

E-Concentration exceeds calibration range

Lab Sample ID: S74190.02 (continued)
Sample Tag: T-7-6_5'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:55	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	13,000	ug/kg	7,000	SW8015M	06/26/16 19:21	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:21	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:21	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:21	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	06/26/16 19:21	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:21	JGH	95-47-6	

Lab Sample ID: S74190.03
Sample Tag: T-7-6_6'_20160615
Collected Date/Time: 06/15/2016 10:26
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 15:45	JKB	18540-29-9	
Conductivity	675	umhos/cm		E120.1	06/23/16 13:14	JKB		
pH/ Corrosivity	7.46	STD Units	0.01	SW9045D	06/22/16 14:10	ASB		
Total Solids	84	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	1.34	mg/kg	0.20	SW6020A	06/30/16 16:11	PER	7440-38-2	
Barium	117	mg/kg	1.0	SW6020A	06/30/16 16:11	PER	7440-39-3	
Cadmium	0.34	mg/kg	0.20	SW6020A	06/30/16 16:11	PER	7440-43-9	
Chromium III	2.89	mg/kg	1.0	SW6020A	06/30/16 16:11	PER	16065-83-1	
Chromium	2.89	mg/kg	0.50	SW6020A	06/30/16 16:11	PER	7440-47-3	
Copper	10.0	mg/kg	0.50	SW6020A	06/30/16 16:11	PER	7440-50-8	
Lead	12.1	mg/kg	0.20	SW6020A	06/30/16 16:11	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	06/22/16 16:16	RGS	7439-97-6	
Nickel	7.51	mg/kg	0.50	SW6020A	06/30/16 16:11	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:11	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:11	PER	7440-22-4	
Zinc	23.9	mg/kg	0.50	SW6020A	06/30/16 16:11	PER	7440-66-6	
Boron	0.68	mg/L	0.10	E200.8	06/29/16 18:18	PER	7440-42-8	
Calcium	54.6	mg/L	0.50	E200.8	06/30/16 12:20	PER	7440-70-2	
Magnesium	15.9	mg/L	0.20	E200.8	06/30/16 12:20	PER	7439-95-4	
Sodium	47.6	mg/L	0.50	E200.8	06/30/16 12:20	PER	7440-23-5	
Sodium Adsorption Ratio	1.46	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/24/16 23:05	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/24/16 23:05	PL	53-70-3	
TPH DRO (C10-C32)	48,000	ug/kg	4,000	SW8015M	06/24/16 01:55	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	06/24/16 01:55	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	120-12-7	

Lab Sample ID: S74190.03 (continued)
Sample Tag: T-7-6_6'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 01:55	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	06/26/16 19:41	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:41	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:41	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:41	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	06/26/16 19:41	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 19:41	JGH	95-47-6	

Lab Sample ID: S74190.04
Sample Tag: T-4-6_4'_20160615
Collected Date/Time: 06/15/2016 16:30
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	79	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	149,000	ug/kg	13,000	SW8015M	06/24/16 10:04	PL		
TPH DRO (C32-C36)	17,000	ug/kg	13,000	SW8015M	06/24/16 10:04	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 20:01	JGH		

Lab Sample ID: S74190.05
Sample Tag: T-4-6_7'_20160615
Collected Date/Time: 06/15/2016 16:30
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 15:50	JKB	18540-29-9	
Conductivity	1,470	umhos/cm		E120.1	06/23/16 13:16	JKB		
pH/ Corrosivity	7.77	STD Units	0.01	SW9045D	06/22/16 13:55	ASB		
Total Solids	77	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	3.15	mg/kg	0.20	SW6020A	06/30/16 16:13	PER	7440-38-2	
Barium	162	mg/kg	1.0	SW6020A	06/30/16 16:13	PER	7440-39-3	
Cadmium	0.48	mg/kg	0.20	SW6020A	06/30/16 16:13	PER	7440-43-9	
Chromium III	9.63	mg/kg	1.0	SW6020A	06/30/16 16:13	PER	16065-83-1	
Chromium	9.63	mg/kg	0.50	SW6020A	06/30/16 16:13	PER	7440-47-3	
Copper	26.8	mg/kg	0.50	SW6020A	06/30/16 16:13	PER	7440-50-8	
Lead	43.1	mg/kg	0.20	SW6020A	06/30/16 16:13	PER	7439-92-1	
Mercury	0.642	mg/kg	0.050	SW7471B	06/22/16 16:18	RGS	7439-97-6	
Nickel	15.8	mg/kg	0.50	SW6020A	06/30/16 16:13	PER	7440-02-0	
Selenium	0.47	mg/kg	0.40	SW6020A	06/30/16 16:13	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:13	PER	7440-22-4	
Zinc	153	mg/kg	0.50	SW6020A	06/30/16 16:13	PER	7440-66-6	
Boron	1.16	mg/L	0.10	E200.8	06/29/16 18:20	PER	7440-42-8	
Calcium	131	mg/L	0.50	E200.8	06/30/16 12:21	PER	7440-70-2	
Magnesium	26.5	mg/L	0.20	E200.8	06/30/16 12:21	PER	7439-95-4	
Sodium	144	mg/L	0.50	E200.8	06/30/16 12:21	PER	7440-23-5	
Sodium Adsorption Ratio	3.00	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/24/16 23:24	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/24/16 23:24	PL	53-70-3	
TPH DRO (C10-C32)	9,628,000	ug/kg	87,000	SW8015M	06/24/16 04:51	PL		E
TPH DRO (C10-C32) (Replicate 01)	8,045,000	ug/kg	216,000	SW8015M	06/25/16 03:05	PL		
TPH DRO (C32-C36)	491,000	ug/kg	87,000	SW8015M	06/24/16 04:51	PL		

E-Concentration exceeds calibration range

Lab Sample ID: S74190.05 (continued)
Sample Tag: T-4-6_7'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	207-08-9	
Chrysene	600	ug/kg	300	SW8270D	06/24/16 04:33	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	206-44-0	
Fluorene	600	ug/kg	300	SW8270D	06/24/16 04:33	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	193-39-5	
Naphthalene	2,300	ug/kg	300	SW8270D	06/24/16 04:33	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 04:33	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	630,000	ug/kg	80,000	SW8015M	06/27/16 00:43	JGH		Y
BTEX 5035								
Benzene	Not detected	ug/kg	800	SW5035A/8260C	06/27/16 00:43	JGH	71-43-2	YX
Toluene	Not detected	ug/kg	800	SW5035A/8260C	06/27/16 00:43	JGH	108-88-3	YX
Ethylbenzene	3,800	ug/kg	800	SW5035A/8260C	06/27/16 00:43	JGH	100-41-4	YX
p,m-Xylene	22,000	ug/kg	2,000	SW5035A/8260C	06/27/16 00:43	JGH		YX
o-Xylene	Not detected	ug/kg	800	SW5035A/8260C	06/27/16 00:43	JGH	95-47-6	YX
BTEX 5035 (Replicate 01)								
Benzene	220	ug/kg	80	SW5035A/8260C	06/27/16 01:44	JGH	71-43-2	S
Toluene	Not detected	ug/kg	80	SW5035A/8260C	06/27/16 01:44	JGH	108-88-3	S
Ethylbenzene	4,620	ug/kg	80	SW5035A/8260C	06/27/16 01:44	JGH	100-41-4	S
p,m-Xylene	25,700	ug/kg	200	SW5035A/8260C	06/27/16 01:44	JGH		S
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	06/27/16 01:44	JGH	95-47-6	S

Y-Elevated reporting limit due to high target concentration
X-Elevated reporting limit due to matrix interference
S-Surrogate recovery outside of control limits

Lab Sample ID: S74190.06
Sample Tag: T-4-6_8.5'_20160615
Collected Date/Time: 06/15/2016 16:30
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 15:55	JKB	18540-29-9	
Conductivity	172	umhos/cm		E120.1	06/23/16 13:18	JKB		
pH/ Corrosivity	7.84	STD Units	0.01	SW9045D	06/22/16 14:10	ASB		
Total Solids	84	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	1.47	mg/kg	0.20	SW6020A	06/30/16 16:14	PER	7440-38-2	
Barium	104	mg/kg	1.0	SW6020A	06/30/16 16:14	PER	7440-39-3	
Cadmium	0.27	mg/kg	0.20	SW6020A	06/30/16 16:14	PER	7440-43-9	
Chromium III	4.54	mg/kg	1.0	SW6020A	06/30/16 16:14	PER	16065-83-1	
Chromium	4.54	mg/kg	0.50	SW6020A	06/30/16 16:14	PER	7440-47-3	
Copper	16.9	mg/kg	0.50	SW6020A	06/30/16 16:14	PER	7440-50-8	
Lead	19.2	mg/kg	0.20	SW6020A	06/30/16 16:14	PER	7439-92-1	
Mercury	0.054	mg/kg	0.050	SW7471B	06/22/16 16:22	RGS	7439-97-6	
Nickel	11.0	mg/kg	0.50	SW6020A	06/30/16 16:14	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:14	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:14	PER	7440-22-4	
Zinc	39.4	mg/kg	0.50	SW6020A	06/30/16 16:14	PER	7440-66-6	
Boron	0.33	mg/L	0.10	E200.8	06/29/16 18:21	PER	7440-42-8	
Calcium	381	mg/L	0.50	E200.8	06/30/16 12:23	PER	7440-70-2	
Magnesium	126	mg/L	0.20	E200.8	06/30/16 12:23	PER	7439-95-4	
Sodium	41.3	mg/L	0.50	E200.8	06/30/16 12:23	PER	7440-23-5	
Sodium Adsorption Ratio	0.469	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/24/16 23:42	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/24/16 23:42	PL	53-70-3	
TPH DRO (C10-C32)	50,000	ug/kg	4,000	SW8015M	06/24/16 02:15	PL		
TPH DRO (C32-C36)	5,000	ug/kg	4,000	SW8015M	06/24/16 02:15	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	120-12-7	

Lab Sample ID: S74190.06 (continued)
Sample Tag: T-4-6_8.5'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:15	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	06/26/16 20:21	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 20:21	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 20:21	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 20:21	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	06/26/16 20:21	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 20:21	JGH	95-47-6	

Lab Sample ID: S74190.07
Sample Tag: T-5-6_4'_20160615
Collected Date/Time: 06/15/2016 14:30
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	77	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	235,000	ug/kg	13,000	SW8015M	06/24/16 05:11	PL		
TPH DRO (C32-C36)	35,000	ug/kg	13,000	SW8015M	06/24/16 05:11	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 20:41	JGH		

Lab Sample ID: S74190.08
Sample Tag: T-5-6_7'_20160615
Collected Date/Time: 06/15/2016 14:30
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:15	JKB	18540-29-9	
Conductivity	1,825	umhos/cm		E120.1	06/23/16 13:20	JKB		
pH/ Corrosivity	7.77	STD Units	0.01	SW9045D	06/22/16 16:22	ASB		
Total Solids	79	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	2.49	mg/kg	0.20	SW6020A	06/30/16 16:16	PER	7440-38-2	
Barium	162	mg/kg	1.0	SW6020A	06/30/16 16:16	PER	7440-39-3	
Cadmium	0.38	mg/kg	0.20	SW6020A	06/30/16 16:16	PER	7440-43-9	
Chromium III	8.49	mg/kg	1.0	SW6020A	06/30/16 16:16	PER	16065-83-1	
Chromium	8.49	mg/kg	0.50	SW6020A	06/30/16 16:16	PER	7440-47-3	
Copper	18.9	mg/kg	0.50	SW6020A	06/30/16 16:16	PER	7440-50-8	
Lead	20.4	mg/kg	0.20	SW6020A	06/30/16 16:16	PER	7439-92-1	
Mercury	1.560	mg/kg	0.3	SW7471B	06/22/16 17:05	RGS	7439-97-6	
Nickel	12.3	mg/kg	0.50	SW6020A	06/30/16 16:16	PER	7440-02-0	
Selenium	0.49	mg/kg	0.40	SW6020A	06/30/16 16:16	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:16	PER	7440-22-4	
Zinc	89.3	mg/kg	0.50	SW6020A	06/30/16 16:16	PER	7440-66-6	
Boron	1.51	mg/L	0.10	E200.8	06/29/16 18:22	PER	7440-42-8	
Calcium	148	mg/L	0.50	E200.8	06/30/16 12:24	PER	7440-70-2	
Magnesium	34.0	mg/L	0.20	E200.8	06/30/16 12:24	PER	7439-95-4	
Sodium	235	mg/L	0.50	E200.8	06/30/16 12:24	PER	7440-23-5	
Sodium Adsorption Ratio	4.53	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:01	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:01	PL	53-70-3	
TPH DRO (C10-C32)	4,417,000	ug/kg	63,000	SW8015M	06/24/16 05:50	PL		E
TPH DRO (C10-C32) (Replicate 01)	105,000	ug/kg	4,000	SW8015M	06/25/16 03:24	PL		
TPH DRO (C32-C36)	282,000	ug/kg	63,000	SW8015M	06/24/16 05:50	PL		

E-Concentration exceeds calibration range

Lab Sample ID: S74190.08 (continued)
Sample Tag: T-5-6_7'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	193-39-5	
Naphthalene	500	ug/kg	300	SW8270D	06/24/16 05:31	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 05:31	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	185,000	ug/kg	8,000	SW8015M	06/27/16 02:04	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	06/27/16 02:04	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	06/27/16 02:04	JGH	108-88-3	
Ethylbenzene	1,120	ug/kg	80	SW5035A/8260C	06/27/16 02:04	JGH	100-41-4	
p,m-Xylene	1,400	ug/kg	200	SW5035A/8260C	06/27/16 02:04	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	06/27/16 02:04	JGH	95-47-6	

Lab Sample ID: S74190.09
Sample Tag: T-5-6_9'_20160615
Collected Date/Time: 06/15/2016 14:30
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:20	JKB	18540-29-9	
Conductivity	152	umhos/cm		E120.1	06/23/16 13:22	JKB		
pH/ Corrosivity	7.56	STD Units	0.01	SW9045D	06/22/16 16:30	ASB		
Total Solids	80	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	1.38	mg/kg	0.20	SW6020A	06/30/16 16:18	PER	7440-38-2	
Barium	136	mg/kg	1.0	SW6020A	06/30/16 16:18	PER	7440-39-3	
Cadmium	0.53	mg/kg	0.20	SW6020A	06/30/16 16:18	PER	7440-43-9	
Chromium III	4.75	mg/kg	1.0	SW6020A	06/30/16 16:18	PER	16065-83-1	
Chromium	4.75	mg/kg	0.50	SW6020A	06/30/16 16:18	PER	7440-47-3	
Copper	11.0	mg/kg	0.50	SW6020A	06/30/16 16:18	PER	7440-50-8	
Lead	11.3	mg/kg	0.20	SW6020A	06/30/16 16:18	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	06/22/16 16:28	RGS	7439-97-6	
Nickel	10.2	mg/kg	0.50	SW6020A	06/30/16 16:18	PER	7440-02-0	
Selenium	0.52	mg/kg	0.40	SW6020A	06/30/16 16:18	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:18	PER	7440-22-4	
Zinc	49.9	mg/kg	0.50	SW6020A	06/30/16 16:18	PER	7440-66-6	
Boron	0.30	mg/L	0.10	E200.8	06/29/16 18:23	PER	7440-42-8	
Calcium	313	mg/L	0.50	E200.8	06/30/16 12:25	PER	7440-70-2	
Magnesium	79.3	mg/L	0.20	E200.8	06/30/16 12:25	PER	7439-95-4	
Sodium	15.8	mg/L	0.50	E200.8	06/30/16 12:25	PER	7440-23-5	
Sodium Adsorption Ratio	0.206	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:19	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:19	PL	53-70-3	
TPH DRO (C10-C32)	10,000	ug/kg	4,000	SW8015M	06/24/16 02:35	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	06/24/16 02:35	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	120-12-7	

Lab Sample ID: S74190.09 (continued)
Sample Tag: T-5-6_9'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:35	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 21:01	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 21:01	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 21:01	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 21:01	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW5035A/8260C	06/26/16 21:01	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 21:01	JGH	95-47-6	

Lab Sample ID: S74190.10
Sample Tag: T-6-6_4'_20160615
Collected Date/Time: 06/15/2016 12:02
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	81	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	58,000	ug/kg	13,000	SW8015M	06/24/16 09:25	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	13,000	SW8015M	06/24/16 09:25	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	06/26/16 21:21	JGH		

Lab Sample ID: S74190.11
Sample Tag: T-6-6_5'_20160615
Collected Date/Time: 06/15/2016 12:02
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:25	JKB	18540-29-9	
Conductivity	1,140	umhos/cm		E120.1	06/23/16 13:24	JKB		
pH/ Corrosivity	7.86	STD Units	0.01	SW9045D	06/22/16 16:44	ASB		
Total Solids	82	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	2.67	mg/kg	0.20	SW6020A	06/30/16 16:19	PER	7440-38-2	
Barium	157	mg/kg	1.0	SW6020A	06/30/16 16:19	PER	7440-39-3	
Cadmium	0.40	mg/kg	0.20	SW6020A	06/30/16 16:19	PER	7440-43-9	
Chromium III	4.78	mg/kg	1.0	SW6020A	06/30/16 16:19	PER	16065-83-1	
Chromium	4.78	mg/kg	0.50	SW6020A	06/30/16 16:19	PER	7440-47-3	
Copper	13.6	mg/kg	0.50	SW6020A	06/30/16 16:19	PER	7440-50-8	
Lead	13.6	mg/kg	0.20	SW6020A	06/30/16 16:19	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	06/22/16 16:30	RGS	7439-97-6	
Nickel	11.7	mg/kg	0.50	SW6020A	06/30/16 16:19	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:19	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:19	PER	7440-22-4	
Zinc	56.1	mg/kg	0.50	SW6020A	06/30/16 16:19	PER	7440-66-6	
Boron	1.04	mg/L	0.10	E200.8	06/29/16 18:25	PER	7440-42-8	
Calcium	117	mg/L	0.50	E200.8	06/30/16 12:26	PER	7440-70-2	
Magnesium	27.9	mg/L	0.20	E200.8	06/30/16 12:26	PER	7439-95-4	
Sodium	50.3	mg/L	0.50	E200.8	06/30/16 12:26	PER	7440-23-5	
Sodium Adsorption Ratio	1.08	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:38	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:38	PL	53-70-3	
TPH DRO (C10-C32)	1,280,000	ug/kg	20,000	SW8015M	06/24/16 06:10	PL		E
TPH DRO (C10-C32) (Replicate 01)	1,352,000	ug/kg	41,000	SW8015M	06/25/16 03:42	PL		
TPH DRO (C32-C36)	70,000	ug/kg	20,000	SW8015M	06/24/16 06:10	PL		

E-Concentration exceeds calibration range

Lab Sample ID: S74190.11 (continued)
Sample Tag: T-6-6_5'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 06:10	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	13,000	ug/kg	7,000	SW8015M	06/26/16 21:42	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 21:42	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 21:42	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 21:42	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	06/26/16 21:42	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 21:42	JGH	95-47-6	

Lab Sample ID: S74190.12
Sample Tag: T-6-6_10'_20160615
Collected Date/Time: 06/15/2016 12:02
Matrix: Soil
COC Reference: 098697

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:30	JKB	18540-29-9	
Conductivity	150	umhos/cm		E120.1	06/23/16 13:26	JKB		
pH/ Corrosivity	7.39	STD Units	0.01	SW9045D	06/22/16 16:50	ASB		
Total Solids	80	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	0.75	mg/kg	0.20	SW6020A	06/30/16 17:09	PER	7440-38-2	
Barium	69.9	mg/kg	1.0	SW6020A	06/30/16 17:09	PER	7440-39-3	
Cadmium	0.30	mg/kg	0.20	SW6020A	06/30/16 17:09	PER	7440-43-9	
Chromium III	2.34	mg/kg	1.0	SW6020A	06/30/16 17:09	PER	16065-83-1	
Chromium	2.34	mg/kg	0.50	SW6020A	06/30/16 17:09	PER	7440-47-3	
Copper	7.17	mg/kg	0.50	SW6020A	06/30/16 17:09	PER	7440-50-8	
Lead	8.25	mg/kg	0.20	SW6020A	06/30/16 17:09	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	06/22/16 16:32	RGS	7439-97-6	
Nickel	5.95	mg/kg	0.50	SW6020A	06/30/16 17:09	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 17:09	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 17:09	PER	7440-22-4	
Zinc	22.6	mg/kg	0.50	SW6020A	06/30/16 17:09	PER	7440-66-6	
Boron	0.24	mg/L	0.10	E200.8	06/29/16 18:30	PER	7440-42-8	
Calcium	434	mg/L	0.50	E200.8	06/30/16 12:30	PER	7440-70-2	
Magnesium	116	mg/L	0.20	E200.8	06/30/16 12:30	PER	7439-95-4	
Sodium	17.5	mg/L	0.50	E200.8	06/30/16 12:30	PER	7440-23-5	
Sodium Adsorption Ratio	0.193	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:56	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 00:56	PL	53-70-3	
TPH DRO (C10-C32)	7,000	ug/kg	4,000	SW8015M	06/24/16 02:55	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	06/24/16 02:55	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	120-12-7	

Lab Sample ID: S74190.12 (continued)
Sample Tag: T-6-6_10'_20160615

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 02:55	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 22:02	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 22:02	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 22:02	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 22:02	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW5035A/8260C	06/26/16 22:02	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 22:02	JGH	95-47-6	

Lab Sample ID: S74190.13
Sample Tag: T-2-6_4'_20160616
Collected Date/Time: 06/15/2016 09:27
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	1L Plastic	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	78	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	94,000	ug/kg	13,000	SW8015M	06/24/16 06:30	PL		
TPH DRO (C32-C36)	18,000	ug/kg	13,000	SW8015M	06/24/16 06:30	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 22:22	JGH		

Lab Sample ID: S74190.14
Sample Tag: T-2-6_6'_20160616
Collected Date/Time: 06/15/2016 09:27
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	20	SM3500-Cr B	06/23/16 16:35	JKB	18540-29-9	
Conductivity	1,145	umhos/cm		E120.1	06/23/16 13:28	JKB		
pH/ Corrosivity	7.82	STD Units	0.01	SW9045D	06/22/16 16:55	ASB		
Total Solids	73	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	2.54	mg/kg	0.20	SW6020A	06/30/16 16:30	PER	7440-38-2	
Barium	208	mg/kg	1.0	SW6020A	06/30/16 16:30	PER	7440-39-3	
Cadmium	0.50	mg/kg	0.20	SW6020A	06/30/16 16:30	PER	7440-43-9	
Chromium III	7.97	mg/kg	1.0	SW6020A	06/30/16 16:30	PER	16065-83-1	
Chromium	7.97	mg/kg	0.50	SW6020A	06/30/16 16:30	PER	7440-47-3	
Copper	18.5	mg/kg	0.50	SW6020A	06/30/16 16:30	PER	7440-50-8	
Lead	21.8	mg/kg	0.20	SW6020A	06/30/16 16:30	PER	7439-92-1	
Mercury	0.098	mg/kg	0.050	SW7471B	06/22/16 16:34	RGS	7439-97-6	
Nickel	14.8	mg/kg	0.50	SW6020A	06/30/16 16:30	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:30	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:30	PER	7440-22-4	
Zinc	82.4	mg/kg	0.50	SW6020A	06/30/16 16:30	PER	7440-66-6	
Boron	1.57	mg/L	0.10	E200.8	06/29/16 18:31	PER	7440-42-8	
Calcium	48.5	mg/L	0.50	E200.8	06/30/16 12:31	PER	7440-70-2	
Magnesium	20.9	mg/L	0.20	E200.8	06/30/16 12:31	PER	7439-95-4	
Sodium	53.7	mg/L	0.50	E200.8	06/30/16 12:31	PER	7440-23-5	
Sodium Adsorption Ratio	1.62	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 01:15	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 01:15	PL	53-70-3	
TPH DRO (C10-C32)	2,727,000	ug/kg	46,000	SW8015M	06/24/16 07:08	PL		
TPH DRO (C32-C36)	126,000	ug/kg	46,000	SW8015M	06/24/16 07:08	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	120-12-7	

Lab Sample ID: S74190.14 (continued)
Sample Tag: T-2-6_6'_20160616

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	193-39-5	
Naphthalene	400	ug/kg	300	SW8270D	06/24/16 06:49	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 06:49	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	194,000	ug/kg	9,000	SW8015M	06/27/16 02:24	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	90	SW5035A/8260C	06/27/16 02:24	JGH	71-43-2	
Toluene	Not detected	ug/kg	90	SW5035A/8260C	06/27/16 02:24	JGH	108-88-3	
Ethylbenzene	760	ug/kg	90	SW5035A/8260C	06/27/16 02:24	JGH	100-41-4	
p,m-Xylene	1,500	ug/kg	200	SW5035A/8260C	06/27/16 02:24	JGH		
o-Xylene	Not detected	ug/kg	90	SW5035A/8260C	06/27/16 02:24	JGH	95-47-6	

Lab Sample ID: S74190.15
Sample Tag: T-2-6_6.5'_20160616
Collected Date/Time: 06/15/2016 09:27
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	20	SM3500-Cr B	06/23/16 16:40	JKB	18540-29-9	
Conductivity	194	umhos/cm		E120.1	06/23/16 13:30	JKB		
pH/ Corrosivity	7.60	STD Units	0.01	SW9045D	06/22/16 17:07	ASB		
Total Solids	81	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	1.32	mg/kg	0.20	SW6020A	06/30/16 16:32	PER	7440-38-2	
Barium	115	mg/kg	1.0	SW6020A	06/30/16 16:32	PER	7440-39-3	
Cadmium	0.40	mg/kg	0.20	SW6020A	06/30/16 16:32	PER	7440-43-9	
Chromium III	4.24	mg/kg	1.0	SW6020A	06/30/16 16:32	PER	16065-83-1	
Chromium	4.24	mg/kg	0.50	SW6020A	06/30/16 16:32	PER	7440-47-3	
Copper	10.2	mg/kg	0.50	SW6020A	06/30/16 16:32	PER	7440-50-8	
Lead	10.7	mg/kg	0.20	SW6020A	06/30/16 16:32	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	06/22/16 16:36	RGS	7439-97-6	
Nickel	10.1	mg/kg	0.50	SW6020A	06/30/16 16:32	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:32	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:32	PER	7440-22-4	
Zinc	38.6	mg/kg	0.50	SW6020A	06/30/16 16:32	PER	7440-66-6	
Boron	0.35	mg/L	0.10	E200.8	06/29/16 18:32	PER	7440-42-8	
Calcium	281	mg/L	0.50	E200.8	06/30/16 12:32	PER	7440-70-2	
Magnesium	72.7	mg/L	0.20	E200.8	06/30/16 12:32	PER	7439-95-4	
Sodium	14.5	mg/L	0.50	E200.8	06/30/16 12:32	PER	7440-23-5	
Sodium Adsorption Ratio	0.199	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 01:33	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 01:33	PL	53-70-3	
TPH DRO (C10-C32)	6,000	ug/kg	4,000	SW8015M	06/24/16 03:15	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	06/24/16 03:15	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	120-12-7	

Lab Sample ID: S74190.15 (continued)
Sample Tag: T-2-6_6.5'_20160616

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:15	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	06/26/16 22:43	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 22:43	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 22:43	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 22:43	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	06/26/16 22:43	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	06/26/16 22:43	JGH	95-47-6	

Lab Sample ID: S74190.16
Sample Tag: T-1-6_4'_20160616
Collected Date/Time: 06/15/2016 10:40
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	79	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	86,000	ug/kg	13,000	SW8015M	06/24/16 09:44	PL		
TPH DRO (C32-C36)	15,000	ug/kg	13,000	SW8015M	06/24/16 09:44	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 23:03	JGH		

Lab Sample ID: S74190.17
Sample Tag: T-1-6_6'_20160616
Collected Date/Time: 06/15/2016 10:40
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:45	JKB	18540-29-9	
Conductivity	1,310	umhos/cm		E120.1	06/23/16 13:32	JKB		
pH/ Corrosivity	7.52	STD Units	0.01	SW9045D	06/22/16 17:14	ASB		
Total Solids	81	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	3.04	mg/kg	0.20	SW6020A	06/30/16 16:34	PER	7440-38-2	
Barium	180	mg/kg	1.0	SW6020A	06/30/16 16:34	PER	7440-39-3	
Cadmium	0.36	mg/kg	0.20	SW6020A	06/30/16 16:34	PER	7440-43-9	
Chromium III	9.37	mg/kg	1.0	SW6020A	06/30/16 16:34	PER	16065-83-1	
Chromium	9.37	mg/kg	0.50	SW6020A	06/30/16 16:34	PER	7440-47-3	
Copper	17.7	mg/kg	0.50	SW6020A	06/30/16 16:34	PER	7440-50-8	
Lead	17.5	mg/kg	0.20	SW6020A	06/30/16 16:34	PER	7439-92-1	
Mercury	0.168	mg/kg	0.050	SW7471B	06/22/16 16:46	RGS	7439-97-6	
Nickel	10.7	mg/kg	0.50	SW6020A	06/30/16 16:34	PER	7440-02-0	
Selenium	0.60	mg/kg	0.40	SW6020A	06/30/16 16:34	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:34	PER	7440-22-4	
Zinc	85.6	mg/kg	0.50	SW6020A	06/30/16 16:34	PER	7440-66-6	
Boron	1.85	mg/L	0.10	E200.8	06/29/16 18:34	PER	7440-42-8	
Calcium	47.9	mg/L	0.50	E200.8	06/30/16 12:34	PER	7440-70-2	
Magnesium	23.9	mg/L	0.20	E200.8	06/30/16 12:34	PER	7439-95-4	
Sodium	94.8	mg/L	0.50	E200.8	06/30/16 12:34	PER	7440-23-5	
Sodium Adsorption Ratio	2.79	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 01:51	PL	50-32-8	
Dibenzo(ah)anthracene	30	ug/kg	20	E625-SIMS	06/25/16 01:51	PL	53-70-3	
TPH DRO (C10-C32)	6,589,000	ug/kg	82,000	SW8015M	06/24/16 07:46	PL		E
TPH DRO (C10-C32) (Replicate 01)	8,826,000	ug/kg	154,000	SW8015M	06/25/16 04:00	PL		
TPH DRO (C32-C36)	601,000	ug/kg	82,000	SW8015M	06/24/16 07:46	PL		

E-Concentration exceeds calibration range

Lab Sample ID: S74190.17 (continued)
Sample Tag: T-1-6_6'_20160616

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	207-08-9	
Chrysene	400	ug/kg	300	SW8270D	06/24/16 07:28	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	206-44-0	
Fluorene	400	ug/kg	300	SW8270D	06/24/16 07:28	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	193-39-5	
Naphthalene	800	ug/kg	300	SW8270D	06/24/16 07:28	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 07:28	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	99,000	ug/kg	8,000	SW8015M	06/26/16 23:23	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:23	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:23	JGH	108-88-3	
Ethylbenzene	300	ug/kg	80	SW5035A/8260C	06/26/16 23:23	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW5035A/8260C	06/26/16 23:23	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:23	JGH	95-47-6	

Lab Sample ID: S74190.18
Sample Tag: T-1-6_7.5'_20160616
Collected Date/Time: 06/15/2016 10:40
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:50	JKB	18540-29-9	
Conductivity	264	umhos/cm		E120.1	06/23/16 13:34	JKB		
pH/ Corrosivity	7.70	STD Units	0.01	SW9045D	06/22/16 17:24	ASB		
Total Solids	80	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	1.05	mg/kg	0.20	SW6020A	06/30/16 16:35	PER	7440-38-2	
Barium	97.4	mg/kg	1.0	SW6020A	06/30/16 16:35	PER	7440-39-3	
Cadmium	0.37	mg/kg	0.20	SW6020A	06/30/16 16:35	PER	7440-43-9	
Chromium III	2.73	mg/kg	1.0	SW6020A	06/30/16 16:35	PER	16065-83-1	
Chromium	2.73	mg/kg	0.50	SW6020A	06/30/16 16:35	PER	7440-47-3	
Copper	9.23	mg/kg	0.50	SW6020A	06/30/16 16:35	PER	7440-50-8	
Lead	10.9	mg/kg	0.20	SW6020A	06/30/16 16:35	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	06/22/16 16:48	RGS	7439-97-6	
Nickel	8.35	mg/kg	0.50	SW6020A	06/30/16 16:35	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:35	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:35	PER	7440-22-4	
Zinc	27.1	mg/kg	0.50	SW6020A	06/30/16 16:35	PER	7440-66-6	
Boron	0.42	mg/L	0.10	E200.8	06/29/16 18:35	PER	7440-42-8	
Calcium	298	mg/L	0.50	E200.8	06/30/16 12:35	PER	7440-70-2	
Magnesium	73.6	mg/L	0.20	E200.8	06/30/16 12:35	PER	7439-95-4	
Sodium	60.2	mg/L	0.50	E200.8	06/30/16 12:35	PER	7440-23-5	
Sodium Adsorption Ratio	0.809	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 02:10	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 02:10	PL	53-70-3	
TPH DRO (C10-C32)	Not detected	ug/kg	4,000	SW8015M	06/24/16 03:35	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	06/24/16 03:35	PL		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	120-12-7	

Lab Sample ID: S74190.18 (continued)
Sample Tag: T-1-6_7.5'_20160616

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 03:35	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/26/16 23:43	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:43	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:43	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:43	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW5035A/8260C	06/26/16 23:43	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	06/26/16 23:43	JGH	95-47-6	

Lab Sample ID: S74190.19
Sample Tag: T-3-6_4'_20160616
Collected Date/Time: 06/15/2016 12:10
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	4oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Inorganics								
Total Solids	78	%	1	SM2540B	06/20/16 12:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	92,000	ug/kg	13,000	SW8015M	06/24/16 08:06	PL		
TPH DRO (C32-C36)	23,000	ug/kg	13,000	SW8015M	06/24/16 08:06	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	06/27/16 00:03	JGH		

Lab Sample ID: S74190.20
Sample Tag: T-3-6_5.75'_20160616
Collected Date/Time: 06/15/2016 12:10
Matrix: Soil
COC Reference: 098698

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	4.3	IR
1	40ml Glass	MeOH	Yes	4.3	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	06/21/16 17:27	EMR		
Mercury Digestion	Completed			SW7471B	06/22/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	06/27/16 12:00	PER		
Metal Digestion	Completed			SW3015A	06/27/16 11:00	PER		
PNA Extraction	Completed			SW3550C	06/21/16 17:26	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	06/27/16 10:30	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	06/23/16 16:55	JKB	18540-29-9	
Conductivity	1,455	umhos/cm		E120.1	06/23/16 13:36	JKB		
pH/ Corrosivity	7.60	STD Units	0.01	SW9045D	06/22/16 17:31	ASB		
Total Solids	81	%	1	SM2540B	06/20/16 12:00	JBL		
Metals								
Hot Water Extraction	Completed				06/29/16 14:00	PER		
Arsenic	2.10	mg/kg	0.20	SW6020A	06/30/16 16:38	PER	7440-38-2	
Barium	223	mg/kg	1.0	SW6020A	06/30/16 16:38	PER	7440-39-3	
Cadmium	0.45	mg/kg	0.20	SW6020A	06/30/16 16:38	PER	7440-43-9	
Chromium III	6.97	mg/kg	1.0	SW6020A	06/30/16 16:38	PER	16065-83-1	
Chromium	6.97	mg/kg	0.50	SW6020A	06/30/16 16:38	PER	7440-47-3	
Copper	16.2	mg/kg	0.50	SW6020A	06/30/16 16:38	PER	7440-50-8	
Lead	17.3	mg/kg	0.20	SW6020A	06/30/16 16:38	PER	7439-92-1	
Mercury	0.093	mg/kg	0.050	SW7471B	06/22/16 16:50	RGS	7439-97-6	
Nickel	9.43	mg/kg	0.50	SW6020A	06/30/16 16:38	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	06/30/16 16:38	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	06/30/16 16:38	PER	7440-22-4	
Zinc	88.4	mg/kg	0.50	SW6020A	06/30/16 16:38	PER	7440-66-6	
Boron	1.19	mg/L	0.10	E200.8	06/29/16 18:36	PER	7440-42-8	
Calcium	80.0	mg/L	0.50	E200.8	06/30/16 12:36	PER	7440-70-2	
Magnesium	48.1	mg/L	0.20	E200.8	06/30/16 12:36	PER	7439-95-4	
Sodium	105	mg/L	0.50	E200.8	06/30/16 12:36	PER	7440-23-5	
Sodium Adsorption Ratio	2.29	ru		20B	06/27/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	06/25/16 02:28	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	06/25/16 02:28	PL	53-70-3	
TPH DRO (C10-C32)	2,692,000	ug/kg	4,000	SW8015M	06/24/16 08:45	PL		E
TPH DRO (C10-C32) (Replicate 01)	2,884,000	ug/kg	62,000	SW8015M	06/25/16 04:19	PL		
TPH DRO (C32-C36)	164,000	ug/kg	41,000	SW8015M	06/24/16 08:45	PL		

E-Concentration exceeds calibration range

Lab Sample ID: S74190.20 (continued)
Sample Tag: T-3-6_5.75'_20160616

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	06/24/16 08:26	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	73,000	ug/kg	7,000	SW8015M	06/27/16 00:23	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	06/27/16 00:23	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	06/27/16 00:23	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	06/27/16 00:23	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	06/27/16 00:23	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	06/27/16 00:23	JGH	95-47-6	

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C.O.C. PAGE # 1 OF 2

098697

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: SETH MAHER
COMPANY: STANTEC
ADDRESS: 2321 CLUB MERIDIAN DR STE E
CITY: OKEMOS STATE: MI ZIP CODE: 48864
PHONE NO.: 517 490 7967 FAX NO.: —
E-MAIL ADDRESS: SETH.MAHER@STANTEC.COM
P.O. NO.: 2122011 18 - 712
QUOTE NO.: 160523-01

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: WILSON CREEK
SAMPLER(S) - PLEASE PRINT/SIGN NAME: SETH MAHER
TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☒ OTHER 5-DAY
DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	FULL LIST	QUOTE 160523-01
74190.01	6/15/16	1026	T-7-6_4'_20160615	S	2	1					1		X		
.02	"	1026	T-7-6_5'_20160615	S	2	1					1			X	
.03	"	1026	T-7-6_6'_20160615	S	2	1					1			X	
.04	"	1630	T-4-6_4'_20160615	S	2	1					1		X		
.05	"	"	T-4-6_7'_20160615	S	2	1					1			X	
.06	"	"	T-4-6_8.5'_20160615	S	2	1					1			X	
.07	"	1430	T-5-6_4'_20160615	S	2	1					1		X		
.08	"	"	T-5-6_7'_20160615	S	2	1					1			X	
.09	"	"	T-5-6_9'_20160615	S	2	1					1			X	
.10	"	1202	T-6-6_4'_20160615	S	2	1					1		X		
.11	"	"	T-6-6_5'_20160615	S	2	1					1			X	
.12	"	"	T-6-6_10'_20160615	S	2	1					1			X	

NEED DETECTION LIMITS PER COGCC TABLE 910. PLEASE REPORT ESTIMATED VALUES IF NEEDED

RELINQUISHED BY: SIGNATURE/ORGANIZATION: [signature] STANTEC ☒ Sampler DATE: 6/17/16 TIME: 1110
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEx DATE: 6/18/16 TIME: 930
RECEIVED BY: SIGNATURE/ORGANIZATION: Merit Cooler DATE: 6/18/16 TIME: 930

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Merit Cooler DATE: 6/20/16 TIME: 800
RECEIVED BY: SIGNATURE/ORGANIZATION: [signature] DATE: 6/20/16 TIME: 800

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.3

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

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C.O.C. PAGE # 2 OF 2

098698

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME
COMPANY
ADDRESS — SEE # 098697
CITY | STATE | ZIP CODE
PHONE NO. | FAX NO. | P.O. NO.
E-MAIL ADDRESS | QUOTE NO.

INVOICE TO

CONTACT NAME ☐ SAME
COMPANY — SEE # 098697
ADDRESS
CITY | STATE | ZIP CODE
PHONE NO. | E-MAIL ADDRESS

PROJECT NO./NAME | SAMPLER(S) - PLEASE PRINT/SIGN NAME

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☒ OTHER 5-DAY

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015R	FULL LIST	QUOTE 160523-01
74190.13	6/16/16	927	T-2-6-4'_20160616	S	2	1					1		X		
.14	"	"	T-2-6-6'_20160616	S	2	1					1			X	
.15	"	"	T-2-6-6.5'_20160616	S	2	1					1			X	
.16	"	1040	T-1-6-4'_20160616	S	2	1					1		X		
.17	"	"	T-1-6_6'_20160616	S	2	1					1			X	
.18	"	"	T-1-6_7.5'_20160616	S	2	1					1			X	
.19	"	1210	T-3-6_4'_20160616	S	2	1					1		X		
.20	"	"	T-3-6_5.75'_20160616	S	2	1					1			X	

NEED DETECTION LIMITS PER COGCC TABLE 910. PLEASE REPORT ESTIMATED VALUES IF NEEDED

RELINQUISHED BY: SIGNATURE/ORGANIZATION	STANTEC ☒ Sampler	6/17/16	1110	
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME	
RELINQUISHED BY: SIGNATURE/ORGANIZATION	FedEx	6/18/16	930	
RECEIVED BY: SIGNATURE/ORGANIZATION	Merit Cooler	6/18/16	930	

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Merit Cooler	6/20/16	800	
RECEIVED BY: SIGNATURE/ORGANIZATION	Kevin Monroe	6/20/16	800	

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS
SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.3

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

(4) Closure of pits and steel, fiberglass, concrete or other similar produced water vessels, and associated remediation operations conducted prior to December 30, 1997 are not subject to Rules 905., 906., 907., 909. and 910.

912. VENTING OR FLARING NATURAL GAS

a. The unnecessary or excessive venting or flaring of natural gas produced from a well is prohibited.

b. Except for gas flared or vented during an upset condition, well maintenance, well stimulation flowback, purging operations, or a productivity test, gas from a well shall be flared or vented only after notice has been given and approval obtained from the Director on a Sundry Notice, Form 4, stating the estimated volume and content of the gas. The notice shall indicate whether the gas contains more than one (1) ppm of hydrogen sulfide. If necessary to protect the public health, safety or welfare, the Director may require the flaring of gas.

c. Gas flared, vented or used on the lease shall be estimated based on a gas-oil ratio test or other equivalent test approved by the Director, and reported on Operator's Monthly Report of Operations, Form 7.

d. Flared gas that is subject to Sundry Notice, Form 4, shall be directed to a controlled flare in accordance with Rule 903.b.(2) or other combustion device operated as efficiently as possible to provide maximum reduction of air contaminants where practicable and without endangering the safety of the well site personnel and the public.

e. Operators shall notify the local emergency dispatch or the local governmental designee of any natural gas flaring. Notice shall be given prior to flaring when flaring can be reasonably anticipated, or as soon as possible, but in no event more than two (2) hours after the flaring occurs.

Table 910-1
CONCENTRATION LEVELS[1]

Contaminant of Concern	Concentrations
Organic Compounds in Soil	
TPH (total volatile and extractable petroleum hydrocarbons)	500 mg/kg
Benzene	0.17 mg/kg[2]
Toluene	85 mg/kg[2]
Ethylbenzene	100 mg/kg[2]
Xylenes (total)	175 mg/kg[2]
Acenaphthene	1,000 mg/kg[2]
Anthracene	1,000 mg/kg[2]
Benz(a)anthracene	0.22 mg/kg[2]
Benzo(b)fluoranthene	0.22 mg/kg[2]
Benzo(k)fluoranthene	2.2 mg/kg[2]
Benzo(a)pyrene	0.022 mg/kg[2]
Chrysene	22 mg/kg[2]
Dibenzo(a,h)anthracene	0.022 mg/kg[2]
Fluoranthene	1,000 mg/kg[2]
Fluorene	1,000 mg/kg[2]
Indeno(1,2,3,c,d)pyrene	0.22 mg/kg[2]
Naphthalene	23 mg/kg[2]
Pyrene	1,000 mg/kg[2]

Organic Compounds in Ground Water	
Benzene	5 µg/l[3]
Toluene	560 to 1,000 µg/l[3]
Ethylbenzene	700 µg/l[3]
Xylenes (Total)	1,400 to 10,000 µg/l[3,4]
Inorganics in Soils	
Electrical Conductivity (EC)	<4 mmhos/cm or 2x background
Sodium Adsorption Ratio (SAR)	<12[5]
pH	6-9
Inorganics in Ground Water	
Total Dissolved Solids (TDS)	<1.25 x background[3]
Chlorides	<1.25 x background[3]
Sulfates	<1.25 x background[3]
Metals in Soils	
Arsenic	0.39 mg/kg[2]
Barium (LDNR True Total Barium)	15,000 mg/kg[2]
Boron (Hot Water Soluble)	2 mg/l[3]
Cadmium	70 mg/kg[3,6]
Chromium (III)	120,000 mg/kg[2]
Chromium (VI)	23 mg/kg[2,6]
Copper	3,100 mg/kg[2]
Lead (inorganic)	400 mg/kg[2]
Mercury	23 mg/kg[2]
Nickel (soluble salts)	1,600 mg/kg[2,6]
Selenium	390 mg/kg[2,6]
Silver	390 mg/kg[2]
Zinc	23,000 mg/kg[2,6]
Liquid Hydrocarbons in Soils and Ground Water	
Liquid hydrocarbons including condensate and oil	Below detection level

COGCC recommends that the latest version of EPA SW 846 analytical methods be used where possible and that analyses of samples be performed by laboratories that maintain state or national accreditation programs.

[1] Consideration shall be given to background levels in native soils and ground water.
[2] Concentrations taken from CDPHE-HMWMD Table 1 Colorado Soil Evaluation Values (December 2007).
[3] Concentrations taken from CDPHE-WQCC Regulation 41 - The Basic Standards for Ground Water.
[4] For this range of standards, the first number in the range is a strictly health-based value, based on the WQCC's established methodology for human health-based standards. The second number in the range is a maximum contaminant level (MCL), established under the Federal Safe Drinking Water Act which has been determined to be an acceptable level of this chemical in public water supplies, taking treatability and laboratory detection limits into account. The WQCC intends that control requirements for this chemical be implemented to attain a level of ambient water quality that is at least equal to the first number in the range except as follows: 1) where ground water quality exceeds the first number in the range due to a release of contaminants that occurred prior to September 14, 2004 (regardless of the date of discovery or subsequent migration of such contaminants) clean-up levels for the entire contaminant plume shall be no more restrictive than the second number in the range or the ground water quality resulting from such release, whichever is more protective, and 2) whenever the WQCC has adopted alternative, site-specific standards for the chemical, the site-specific standards shall apply instead of these statewide standards.
[5] Analysis by USDA Agricultural Handbook 60 method (20B) with soluble cations determined by method (2). Method (20B) = estimation of exchangeable sodium percentage and exchangeable potassium percentage from soluble cations. Method (2) = saturated paste method (note: each analysis requires a unique sample of at least 500 grams). If soils are saturated, USDA Agricultural Handbook 60 with soluble cations determined by method (3A) saturation extraction method.
[6] The table value for these inorganic constituents is taken from the CDPHE-HMWMD Table 1 Colorado Soil Evaluation Values (December 2007). However, because these values are high, it is possible that site-specific geochemical conditions may exist that could allow these constituents to migrate into ground water at

Analytical Laboratory Report

Report ID: S74718.01(01)
Generated on 07/14/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505
MSA# 94023

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

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Report Summary

Lab Sample ID(s): S74718.01-S74718.21
Project: 212201118_712
Collected Date: 07/11/2016 - 07/12/2016
Submitted Date/Time: 07/13/2016 10:00
Sampled by: Seth Maher
P.O. #: 212201118_712

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified

Sample Summary (21 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74718.01	T-7-10-6'-20160711	Soil	07/11/16 11:55
S74718.02	T-7-9-6'-20160711	Soil	07/11/16 12:10
S74718.03	T-7-8-6'-20160711	Soil	07/11/16 13:20
S74718.04	T-7-7-6'-20160711	Soil	07/11/16 13:35
S74718.05	T-7-12-6'-20160711	Soil	07/11/16 15:30
S74718.06	T-7-11-6'-20160711	Soil	07/11/16 14:30
S74718.07	T-6-11-7'-20160711	Soil	07/11/16 17:05
S74718.08	T-6-11-10'-20160711	Soil	07/11/16 17:10
S74718.09	T-6-15-6'-20160711	Soil	07/11/16 17:40
S74718.10	T-6-15-10'-20160711	Soil	07/11/16 17:40
S74718.11	T-6-10-5'-20160711	Soil	07/11/16 16:30
S74718.12	T-6-14-6'-20160712	Soil	07/12/16 11:10
S74718.13	T-6-12-6'-20160712	Soil	07/12/16 10:05
S74718.14	T-6-13-6'-20160712	Soil	07/12/16 09:15
S74718.15	T-6-13-10'-20160712	Soil	07/12/16 09:15
S74718.16	T-6-16-6'-20160712	Soil	07/12/16 11:40
S74718.17	T-6-17-6'-20160712	Soil	07/12/16 12:00
S74718.18	T-6-7-6'-20160712	Soil	07/12/16 13:50
S74718.19	T-6-8-6'-20160712	Soil	07/12/16 13:40
S74718.20	T-6-9-6'-20160712	Soil	07/12/16 13:20
S74718.21	T-6-18-6'-20160712	Soil	07/12/16 12:20

Analytical Laboratory Report

Lab Sample ID: S74718.01
Sample Tag: T-7-10-6'-20160711
Collected Date/Time: 07/11/2016 11:55
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	87	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	244,000	ug/kg	11,000	SW8015M	07/13/16 19:19	PL		Y
TPH DRO (C32-C36)	40,000	ug/kg	11,000	SW8015M	07/13/16 19:19	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/13/16 13:26	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.02
Sample Tag: T-7-9-6'-20160711
Collected Date/Time: 07/11/2016 12:10
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	86	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	7,000	ug/kg	4,000	SW8015M	07/13/16 19:39	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/13/16 19:39	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/13/16 13:47	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.03
Sample Tag: T-7-8-6'-20160711
Collected Date/Time: 07/11/2016 13:20
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	84	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	14,000	ug/kg	4,000	SW8015M	07/13/16 20:00	PL		
TPH DRO (C32-C36)	5,000	ug/kg	4,000	SW8015M	07/13/16 20:00	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 14:07	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.04
Sample Tag: T-7-7-6'-20160711
Collected Date/Time: 07/11/2016 13:35
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	81	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	8,000	ug/kg	4,000	SW8015M	07/13/16 20:20	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/13/16 20:20	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 14:28	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.05
Sample Tag: T-7-12-6'-20160711
Collected Date/Time: 07/11/2016 15:30
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	88	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,000	ug/kg	4,000	SW8015M	07/13/16 20:41	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/13/16 20:41	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/13/16 14:48	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.06
Sample Tag: T-7-11-6'-20160711
Collected Date/Time: 07/11/2016 14:30
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	85	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	110,000	ug/kg	12,000	SW8015M	07/13/16 21:01	PL		Y
TPH DRO (C32-C36)	20,000	ug/kg	12,000	SW8015M	07/13/16 21:01	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 15:08	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.07
Sample Tag: T-6-11-7'-20160711
Collected Date/Time: 07/11/2016 17:05
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	85	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	3,041,000	ug/kg	78,000	SW8015M	07/13/16 21:22	PL		Y
TPH DRO (C32-C36)	211,000	ug/kg	78,000	SW8015M	07/13/16 21:22	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	530,000	ug/kg	70,000	SW8015M	07/14/16 12:31	JGH		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.08
Sample Tag: T-6-11-10'-20160711
Collected Date/Time: 07/11/2016 17:10
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	79	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	10,000	ug/kg	4,000	SW8015M	07/13/16 21:42	PL		
TPH DRO (C32-C36)	6,000	ug/kg	4,000	SW8015M	07/13/16 21:42	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/13/16 15:28	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.09
Sample Tag: T-6-15-6'-20160711
Collected Date/Time: 07/11/2016 17:40
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	83	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	4,909,000	ug/kg	201,000	SW8015M	07/13/16 22:02	PL		Y
TPH DRO (C32-C36)	428,000	ug/kg	201,000	SW8015M	07/13/16 22:02	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	400,000	ug/kg	400,000	SW8015M	07/14/16 12:52	JGH		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.10
Sample Tag: T-6-15-10'-20160711
Collected Date/Time: 07/11/2016 17:40
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	82	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	7,000	ug/kg	4,000	SW8015M	07/13/16 22:23	PL		
TPH DRO (C32-C36)	4,000	ug/kg	4,000	SW8015M	07/13/16 22:23	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 16:10	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.11
Sample Tag: T-6-10-5'-20160711
Collected Date/Time: 07/11/2016 16:30
Matrix: Soil
COC Reference: 093200

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	83	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	450,000	ug/kg	40,000	SW8015M	07/13/16 22:43	PL		Y
TPH DRO (C32-C36)	80,000	ug/kg	40,000	SW8015M	07/13/16 22:43	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 16:30	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.12
Sample Tag: T-6-14-6'-20160712
Collected Date/Time: 07/12/2016 11:10
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	89	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	12,000	ug/kg	4,000	SW8015M	07/13/16 23:04	PL		
TPH DRO (C32-C36)	4,000	ug/kg	4,000	SW8015M	07/13/16 23:04	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/13/16 16:50	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.13
Sample Tag: T-6-12-6'-20160712
Collected Date/Time: 07/12/2016 10:05
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	83	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	9,000	ug/kg	4,000	SW8015M	07/13/16 23:24	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/13/16 23:24	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 17:11	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.14
Sample Tag: T-6-13-6'-20160712
Collected Date/Time: 07/12/2016 09:15
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	75	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	2,848,000	ug/kg	89,000	SW8015M	07/13/16 23:44	PL		Y
TPH DRO (C32-C36)	285,000	ug/kg	89,000	SW8015M	07/13/16 23:44	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	700,000	ug/kg	400,000	SW8015M	07/14/16 13:12	JGH		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.15
Sample Tag: T-6-13-10'-20160712
Collected Date/Time: 07/12/2016 09:15
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	83	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	33,000	ug/kg	4,000	SW8015M	07/14/16 00:04	PL		
TPH DRO (C32-C36)	7,000	ug/kg	4,000	SW8015M	07/14/16 00:04	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 17:52	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.16
Sample Tag: T-6-16-6'-20160712
Collected Date/Time: 07/12/2016 11:40
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	80	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	9,000	ug/kg	4,000	SW8015M	07/14/16 00:25	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/14/16 00:25	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 18:12	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.17
Sample Tag: T-6-17-6'-20160712
Collected Date/Time: 07/12/2016 12:00
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	83	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	1,190,000	ug/kg	40,000	SW8015M	07/14/16 00:45	PL		Y
TPH DRO (C32-C36)	80,000	ug/kg	40,000	SW8015M	07/14/16 00:45	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	51,000	ug/kg	7,000	SW8015M	07/13/16 18:32	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.18
Sample Tag: T-6-7-6'-20160712
Collected Date/Time: 07/12/2016 13:50
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	79	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	29,000	ug/kg	4,000	SW8015M	07/14/16 01:05	PL		
TPH DRO (C32-C36)	9,000	ug/kg	4,000	SW8015M	07/14/16 01:05	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/13/16 18:53	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.19
Sample Tag: T-6-8-6'-20160712
Collected Date/Time: 07/12/2016 13:40
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	83	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	87,000	ug/kg	8,000	SW8015M	07/14/16 01:26	PL		Y
TPH DRO (C32-C36)	31,000	ug/kg	8,000	SW8015M	07/14/16 01:26	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 19:13	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74718.20
Sample Tag: T-6-9-6'-20160712
Collected Date/Time: 07/12/2016 13:20
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	82	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	16,000	ug/kg	4,000	SW8015M	07/14/16 01:46	PL		
TPH DRO (C32-C36)	5,000	ug/kg	4,000	SW8015M	07/14/16 01:46	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/13/16 19:33	WAT		

Analytical Laboratory Report

Lab Sample ID: S74718.21
Sample Tag: T-6-18-6'-20160712
Collected Date/Time: 07/12/2016 12:20
Matrix: Soil
COC Reference: 092986

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/13/16 14:57	PLB		
Inorganics								
Total Solids	88	%	1	SM2540B	07/13/16 16:00	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	324,000	ug/kg	19,000	SW8015M	07/14/16 02:06	PL		Y
TPH DRO (C32-C36)	56,000	ug/kg	19,000	SW8015M	07/14/16 02:06	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/13/16 23:31	WAT		

Y-Elevated reporting limit due to high target concentration

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 2

093200

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: SETH MAHER
COMPANY: STANTEC
ADDRESS: 2321 CLUB MERIDIAN DR. STE E
CITY: OKEMOS STATE: MI ZIP CODE: 48864
PHONE NO.: 517 490 7967 FAX NO.:
P.O. NO.: 212201118-712
E-MAIL ADDRESS: SETH.MAHER@STANTEC.COM QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 212201118-712
SAMPLER(S) - PLEASE PRINT/SIGN NAME: SETH MAHER

TURNAROUND TIME REQUIRED: ☒ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED: ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	ANALYSIS: TPH 8015B
14718.01	7/11/16	1155	T-7-10_6'_20160711	S	2	X					X		X
.02	7/11/16	1210	T-7-9_6'_20160711										
.03	"	1320	T-7-8_6'_20160711										
.04	"	1335	T-7-7_6'_20160711										
.05	"	1530	T-7-12_6'_20160711										
~~—~~	~~—~~	~~1430~~	~~T-7-12_6'~~										
.06	7/11/16	1430	T-7-11_6'_20160711										
.07	"	1705	T-6-11_7'_20160711										
.08	"	1710	T-6-11_10'_20160711										
.09	"	1740	T-6-15_6'_20160711										
.10	"	1740	T-6-15_10'_20160711										
.11	7/11/16	1630	T-6-10_5'_20160711										

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions: RL < 500 mg/kg FOR TPH COMBINED

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☐ Sampler	DATE	TIME
		7/12/16	1600
RECEIVED BY: SIGNATURE/ORGANIZATION	Anna Aguirre Stantec	7/12/16	1600
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Anna Aguirre Stantec	7/12/16	1600
RECEIVED BY: SIGNATURE/ORGANIZATION		7/13/16	10:00

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

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C.O.C. PAGE # 2 OF 2

092986

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME

COMPANY SEE # 093200

ADDRESS

CITY | STATE | ZIP CODE

PHONE NO. | FAX NO. | P.O. NO.

E-MAIL ADDRESS | QUOTE NO.

INVOICE TO

CONTACT NAME ☑ SAME

COMPANY

ADDRESS

CITY | STATE | ZIP CODE

PHONE NO. | E-MAIL ADDRESS

PROJECT NO./NAME | SAMPLER(S) - PLEASE PRINT/SIGN NAME

TURNAROUND TIME REQUIRED ☒ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. FOR LAB USE ONLY	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74718,12	7/12/16	1110	T-6-14-6'-20160712	S	2	X					X		X	RL < 500 mg/kg FOR TPH COMBINED
,13	"	1005	T-6-12-6'-20160712											
,14	"	0915	T-6-13-6'-20160712											
,15	"	0915	T-6-13-10'-20160712											
,16	"	1140	T-6-16-6'-20160712											
,17	"	1200	T-6-17-6'-20160712											
,18	"	1350	T-6-7-6'-20160712											
,19	"	1340	T-6-8-6'-20160712											
,20	"	1320	T-6-9-6'-20160712											
,21	"	1220	T-6-18-6'-20160712											
	"													

RELINQUISHED BY: SIGNATURE/ORGANIZATION	☐ Sampler	DATE 7/12/16	TIME 1600
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE 7/13/16	TIME 10:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

SEAL NO. | SEAL INTACT YES ☐ NO ☐ | INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Supplemental Report

Report ID: S74817.01(02)
Generated on 07/26/2016
Replaces report S74817.01(01) generated on 07/25/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505
MSA# 94023

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

Merit Laboratories, Inc.
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East Lansing, MI 48823

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Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Addtional Contacts: BJ Collins, Anna Skinner, Tom Madsen, Savanah Whitaker, Jim Burns, Brent Lucyk, Chris Beall

Report Summary

Lab Sample ID(s): S74817.01-S74817.14
Project: 212201118_712
Collected Date: 07/13/2016 - 07/14/2016
Submitted Date/Time: 07/19/2016 09:45
Sampled by: Anna Skinner
P.O. #: 212201118_712

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

All analyses complete

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified

Sample Summary (14 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74817.01	T-5-7-6'-20160714	Soil	07/14/16 11:15
S74817.02	T-5-8-10'-20160714	Soil	07/14/16 11:20
S74817.03	T-5-8-15'-20160714	Soil	07/14/16 11:25
S74817.04	T-5-9-10'-20160714	Soil	07/14/16 12:15
S74817.05	T-5-9-15'-20160714	Soil	07/14/16 12:20
S74817.06	T-5-10-8'-20160714	Soil	07/14/16 14:00
S74817.07	T-5-11-6'-20160714	Soil	07/14/16 15:20
S74817.08	T-5-13-9'-20160713	Soil	07/13/16 17:00
S74817.09	T-5-13-11'-20160713	Soil	07/13/16 17:00
S74817.10	T-5-14-8'-20160714	Soil	07/14/16 16:35
S74817.11	T-5-15-8'-20160714	Soil	07/14/16 16:45
S74817.12	T-5-16-6'-20160714	Soil	07/14/16 11:00
S74817.13	T-5-16-11'-20160714	Soil	07/14/16 11:05
S74817.14	T-5-12-9'-20160714	Soil	07/14/16 15:45

Lab Sample ID: S74817.01
Sample Tag: T-5-7-6'-20160714
Collected Date/Time: 07/14/2016 11:15
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	78	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	45,000	ug/kg	4,000	SW8015M	07/20/16 16:22	PL		
TPH DRO (C32-C36)	12,000	ug/kg	4,000	SW8015M	07/20/16 16:22	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/21/16 17:20	JGH		

Lab Sample ID: S74817.02
Sample Tag: T-5-8-10'-20160714
Collected Date/Time: 07/14/2016 11:20
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	82	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	4,802,000	ug/kg	163,000	SW8015M	07/20/16 21:09	PL		Y
TPH DRO (C32-C36)	371,000	ug/kg	163,000	SW8015M	07/20/16 21:09	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	1,160,000	ug/kg	70,000	SW8015M	07/22/16 21:05	JGH		Y

Y-Elevated reporting limit due to high target concentration

Lab Sample ID: S74817.03
Sample Tag: T-5-8-15'-20160714
Collected Date/Time: 07/14/2016 11:25
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	83	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	9,000	ug/kg	4,000	SW8015M	07/20/16 16:42	PL		
TPH DRO (C32-C36)	6,000	ug/kg	4,000	SW8015M	07/20/16 16:42	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 18:00	JGH		

Lab Sample ID: S74817.04
Sample Tag: T-5-9-10'-20160714
Collected Date/Time: 07/14/2016 12:15
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	83	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,895,000	ug/kg	151,000	SW8015M	07/20/16 21:49	PL		Y
TPH DRO (C32-C36)	380,000	ug/kg	151,000	SW8015M	07/20/16 21:49	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	998,000	ug/kg	7,000	SW8015M	07/21/16 18:21	JGH		ES
TPH GRO (C6-C10) (Replicate 01)	810,000	ug/kg	70,000	SW8015M	07/25/16 18:43	WAT		Y

Y-Elevated reporting limit due to high target concentration
E-Concentration exceeds calibration range S-Surrogate recovery outside of control limits

Lab Sample ID: S74817.05
Sample Tag: T-5-9-15'-20160714
Collected Date/Time: 07/14/2016 12:20
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	81	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,000	ug/kg	4,000	SW8015M	07/20/16 17:03	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 17:03	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 18:41	JGH		

Lab Sample ID: S74817.06
Sample Tag: T-5-10-8'-20160714
Collected Date/Time: 07/14/2016 14:00
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,000	ug/kg	4,000	SW8015M	07/20/16 17:23	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 17:23	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 19:01	JGH		

Lab Sample ID: S74817.07
Sample Tag: T-5-11-6'-20160714
Collected Date/Time: 07/14/2016 15:20
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	6,000	ug/kg	4,000	SW8015M	07/20/16 17:44	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 17:44	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 19:21	JGH		

Lab Sample ID: S74817.08
Sample Tag: T-5-13-9'-20160713
Collected Date/Time: 07/13/2016 17:00
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	81	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,517,000	ug/kg	82,000	SW8015M	07/20/16 21:29	PL		YE
TPH DRO (C10-C32) (Replicate 01)	2,354,000	ug/kg	82,000	SW8015M	07/21/16 21:15	PL		Y
TPH DRO (C32-C36)	568,000	ug/kg	82,000	SW8015M	07/20/16 21:29	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	153,000	ug/kg	7,000	SW8015M	07/21/16 19:41	JGH		

Y-Elevated reporting limit due to high target concentration E-Concentration exceeds calibration range

Lab Sample ID: S74817.09
Sample Tag: T-5-13-11'-20160713
Collected Date/Time: 07/13/2016 17:00
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,000	ug/kg	4,000	SW8015M	07/20/16 18:04	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 18:04	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/21/16 20:01	JGH		

Lab Sample ID: S74817.10
Sample Tag: T-5-14-8'-20160714
Collected Date/Time: 07/14/2016 16:35
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	83	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	Not detected	ug/kg	4,000	SW8015M	07/20/16 18:25	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 18:25	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 20:20	JGH		

Lab Sample ID: S74817.11
Sample Tag: T-5-15-8'-20160714
Collected Date/Time: 07/14/2016 16:45
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	79	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	Not detected	ug/kg	4,000	SW8015M	07/20/16 18:45	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 18:45	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/21/16 20:40	JGH		

Lab Sample ID: S74817.12
Sample Tag: T-5-16-6'-20160714
Collected Date/Time: 07/14/2016 11:00
Matrix: Soil
COC Reference: 092995

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	83	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	12,306,000	ug/kg	301,000	SW8015M	07/20/16 22:10	PL		Y
TPH DRO (C32-C36)	905,000	ug/kg	301,000	SW8015M	07/20/16 22:10	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)	434,000	ug/kg	7,000	SW8015M	07/21/16 21:00	JGH		ES
TPH GRO (C6-C10) (Replicate 01)	270,000	ug/kg	70,000	SW8015M	07/25/16 19:03	WAT		Y

Y-Elevated reporting limit due to high target concentration
E-Concentration exceeds calibration range S-Surrogate recovery outside of control limits

Lab Sample ID: S74817.13
Sample Tag: T-5-16-11'-20160714
Collected Date/Time: 07/14/2016 11:05
Matrix: Soil
COC Reference: 092995

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids	83	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	Not detected	ug/kg	4,000	SW8015M	07/20/16 19:06	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 19:06	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 21:19	JGH		

Lab Sample ID: S74817.14
Sample Tag: T-5-12-9'-20160714
Collected Date/Time: 07/14/2016 15:45
Matrix: Soil
COC Reference: 092996

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.7	IR
1	4oz Glass	None	Yes	4.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids	80	%	1	SM2540B	07/20/16 16:30	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)	5,000	ug/kg	4,000	SW8015M	07/20/16 19:26	PL		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/20/16 19:26	PL		
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/21/16 21:39	JGH		

Merit Laboratories, Inc.
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C.O.C. PAGE # 1 OF 2

092996

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Seth Maher
COMPANY: Stantec
ADDRESS: 2321 Club Meridian Dr. STE E
CITY: Okemos STATE: MI ZIP CODE: 48864
PHONE NO.: (517) 490-7967 FAX NO.:
P.O. NO.: 212201118-712
E-MAIL ADDRESS: seth.maher@stantec.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 212201118-712
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Anna Skinner / Anna Skinner

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☒ OTHER 4 Day

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015 B
74817.01	7/14/16	1115	T-5-7-6'-20160714	S	2	X					X		X
.02		1120	T-5-8-10'-20160714										
.03		1125	T-5-8-15'-20160714										
.04		1215	T-5-9-10'-20160714										
.05		1220	T-5-9-15'-20160714										
.06		1400	T-5-10-8'-20160714										
.07		1520	T-5-11-6'-20160714										
74817.14	↓	1545	~~T-5-11-9'~~ (AMS) T-5-12-9'-20160714										
.08	7/13/16	1700	T-5-13-9'-~~20160714~~ (AMS) 20160713										
.09	↓	1700	T-5-13-11'-20160713										
.10	7/14/16	1635	T-5-14-8'-20160714										
.11	↓	1645	T-5-15-8'-20160714	↓	↓	↓					↓		↓

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Anna Skinner / Stantec ☒ Sampler DATE: 7/18/16 TIME: 1600
RECEIVED BY: SIGNATURE/ORGANIZATION: Fed Ex DATE: TIME: ~~945~~ MC

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Fed Ex DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: M Chilcote DATE: 7/19/16 TIME: 945

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Merit Laboratories, Inc.

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C.O.C. PAGE # 2 OF 2

092995

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: same as 1 of 2
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☒ OTHER 4 Day

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74817.12	7/14/16	1100	T-5-16-6'-20160714	S	2	X					X		X	RL <500 mg/kg
.13	↓	1105	T-5-16-11'-20160714	↓	↓	↓					↓		↓	for TPH combined

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Anna Shinn / Stantec ☒ Sampler DATE: 7/18/16 TIME: 1600
RECEIVED BY: SIGNATURE/ORGANIZATION: Fed Ex DATE: TIME:
RELINQUISHED BY: SIGNATURE/ORGANIZATION: Fed Ex DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: M Allcott DATE: 7/19/16 TIME: 945

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Report ID: S74818.01(01)
Generated on 08/02/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505
MSA# 94023

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

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East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Addtional Contacts: BJ Collins, Anna Skinner, Tom Madsen, Savanah Whitaker, Jim Burns, Brent Lucyk, Chris Beall

Report Summary

Lab Sample ID(s): S74818.01-S74818.44
Project: 212201118_712
Collected Date: 07/12/2016 - 07/18/2016
Submitted Date/Time: 07/19/2016 09:45
Sampled by: Anna Skinner
P.O. #: 212201118_712

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified

Sample Summary (44 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74818.01	T-2-8_8'_20160718	Soil	07/18/16 10:40
S74818.02	T-2-11_7'_20160718	Soil	07/18/16 12:05
S74818.03	T-2-11_9'_20160718	Soil	07/18/16 12:10
S74818.04	T-2-12_7'_20160718	Soil	07/18/16 11:50
S74818.05	T-2-12_8'_20160718	Soil	07/18/16 11:55
S74818.06	T-2-15_7'_20160718	Soil	07/18/16 11:00
S74818.07	T-2-15_9'_20160718	Soil	07/18/16 10:55
S74818.08	T-3-7_8'_20160715	Soil	07/15/16 12:25
S74818.09	T-3-8_11'_20160715	Soil	07/15/16 14:30
S74818.10	T-3-8_12'_20160715	Soil	07/15/16 14:35
S74818.11	T-3-9_11'_20160715	Soil	07/15/16 15:10
S74818.12	T-3-9_15'_20160715	Soil	07/15/16 15:15
S74818.13	T-3-10_8'_20160715	Soil	07/15/16 12:15
S74818.14	T-3-11_12'_20160715	Soil	07/15/16 11:00
S74818.15	T-3-11_15'_20160715	Soil	07/15/16 11:05
S74818.16	T-3-12_9'_20160715	Soil	07/15/16 16:10
S74818.17	T-3-13_8'_20160715	Soil	07/15/16 11:15
S74818.18	T-3-14_8'_20160715	Soil	07/15/16 10:05
S74818.19	T-3-15_8'_20160718	Soil	07/18/16 09:20
S74818.20	T-3-16_8'_20160715	Soil	07/15/16 09:00
S74818.21	T-3-16_9'_20160715	Soil	07/15/16 09:05
S74818.22	T-3-17_6'_20160715	Soil	07/15/16 09:15
S74818.23	T-3-18_8'_20160715	Soil	07/15/16 09:55
S74818.24	T-3-18_9'_20160715	Soil	07/15/16 10:00
S74818.25	T-3-19_9'_20160715	Soil	07/15/16 16:15
S74818.26	T-3-20_8'_20160718	Soil	07/18/16 09:15
S74818.27	T-3-21_7'_20160715	Soil	07/15/16 17:25
S74818.28	T-3-22_9'_20160715	Soil	07/15/16 17:00
S74818.29	T-4-7_6'_20160713	Soil	07/13/16 14:05
S74818.30	T-4-8_6'_20160713	Soil	07/13/16 13:10
S74818.31	T-4-8_10'_20160713	Soil	07/13/16 13:15
S74818.32	T-4-9_6'_20160713	Soil	07/13/16 09:10
S74818.33	T-4-10_7'_20160713	Soil	07/13/16 13:25
S74818.34	T-4-10_10'_20160713	Soil	07/13/16 13:30
S74818.35	T-4-11_9'_20160712	Soil	07/12/16 15:00
S74818.36	T-4-11_10'_20160712	Soil	07/12/16 15:10
S74818.37	T-4-12_6'_20160713	Soil	07/13/16 10:30
S74818.38	T-4-13_7'_20160713	Soil	07/13/16 15:45
S74818.39	T-4-13_10'_20160713	Soil	07/13/16 15:45
S74818.40	T-4-14_6'_20160713	Soil	07/13/16 14:40
S74818.41	T-4-15_6'_20160713	Soil	07/13/16 14:25
S74818.42	T-4-16_6'_20160713	Soil	07/13/16 14:10
S74818.43	T-4-17_8'_20160712	Soil	07/12/16 16:15
S74818.44	T-4-17_10'_20160712	Soil	07/12/16 16:20

Analytical Laboratory Report

Lab Sample ID: S74818.01
Sample Tag: T-2-8_8'_20160718
Collected Date/Time: 07/18/2016 10:40
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	4,000	ug/kg	4,000	SW8015M	07/20/16 19:47	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/20/16 19:47	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/21/16 21:59	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.02
Sample Tag: T-2-11_7'_20160718
Collected Date/Time: 07/18/2016 12:05
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids*	74	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	2,497,000	ug/kg	45,000	SW8015M	07/20/16 20:07	PL		Y
TPH DRO (C32-C36)*	196,000	ug/kg	45,000	SW8015M	07/20/16 20:07	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	139,000	ug/kg	9,000	SW8015M	07/21/16 22:18	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.03
Sample Tag: T-2-11_9'_20160718
Collected Date/Time: 07/18/2016 12:10
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids*	78	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,370,000	ug/kg	32,000	SW8015M	07/20/16 20:28	PL		Y
TPH DRO (C32-C36)*	122,000	ug/kg	32,000	SW8015M	07/20/16 20:28	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	190,000	ug/kg	8,000	SW8015M	07/21/16 22:38	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.04
Sample Tag: T-2-12_7'_20160718
Collected Date/Time: 07/18/2016 11:50
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/19/16 16:01	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	2,710,000	ug/kg	63,000	SW8015M	07/20/16 20:48	PL		Y
TPH DRO (C32-C36)*	217,000	ug/kg	63,000	SW8015M	07/20/16 20:48	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	205,000	ug/kg	8,000	SW8015M	07/21/16 22:58	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.05
Sample Tag: T-2-12_8'_20160718
Collected Date/Time: 07/18/2016 11:55
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/22/16 01:17	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/22/16 01:17	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/21/16 23:18	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.06
Sample Tag: T-2-15_7'_20160718
Collected Date/Time: 07/18/2016 11:00
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids*	83	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	3,790,000	ug/kg	80,000	SW8015M	07/22/16 01:37	PL		Y
TPH DRO (C32-C36)*	270,000	ug/kg	80,000	SW8015M	07/22/16 01:37	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	230,000	ug/kg	70,000	SW8015M	07/25/16 23:46	WAT		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.07
Sample Tag: T-2-15_9'_20160718
Collected Date/Time: 07/18/2016 10:55
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	2,271,000	ug/kg	62,000	SW8015M	07/22/16 01:58	PL		Y
TPH DRO (C32-C36)*	211,000	ug/kg	62,000	SW8015M	07/22/16 01:58	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	140,000	ug/kg	8,000	SW8015M	07/22/16 02:39	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.08
Sample Tag: T-3-7_8'_20160715
Collected Date/Time: 07/15/2016 12:25
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids*	69	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	11,000	ug/kg	4,000	SW8015M	07/22/16 02:18	PL		
TPH DRO (C32-C36)*	4,000	ug/kg	4,000	SW8015M	07/22/16 02:18	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	10,000	SW8015M	07/27/16 14:56	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.09
Sample Tag: T-3-8_11'_20160715
Collected Date/Time: 07/15/2016 14:30
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	2,140,000	ug/kg	62,000	SW8015M	07/22/16 02:38	PL		Y
TPH DRO (C32-C36)*	170,000	ug/kg	62,000	SW8015M	07/22/16 02:38	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	280,000	ug/kg	80,000	SW8015M	07/26/16 00:26	WAT		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.10
Sample Tag: T-3-8_12'_20160715
Collected Date/Time: 07/15/2016 14:35
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/20/16 15:27	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	6,000	ug/kg	4,000	SW8015M	07/22/16 02:59	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/22/16 02:59	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/22/16 03:39	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.11
Sample Tag: T-3-9_11'_20160715
Collected Date/Time: 07/15/2016 15:10
Matrix: Soil
COC Reference: 092987

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,893,000	ug/kg	81,000	SW8015M	07/27/16 15:47	PL		Y
TPH DRO (C32-C36)*	184,000	ug/kg	81,000	SW8015M	07/27/16 15:47	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	710,000	ug/kg	70,000	SW8015M	07/26/16 00:46	WAT		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.12
Sample Tag: T-3-9_15'_20160715
Collected Date/Time: 07/15/2016 15:15
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	5,000	ug/kg	4,000	SW8015M	07/27/16 16:47	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 16:47	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/22/16 04:19	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.13
Sample Tag: T-3-10_8'_20160715
Collected Date/Time: 07/15/2016 12:15
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	14,000	ug/kg	4,000	SW8015M	07/27/16 17:08	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 17:08	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/22/16 04:39	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.14
Sample Tag: T-3-11_12'_20160715
Collected Date/Time: 07/15/2016 11:00
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,020,000	ug/kg	41,000	SW8015M	07/27/16 17:28	PL		Y
TPH DRO (C32-C36)*	80,000	ug/kg	40,000	SW8015M	07/27/16 17:28	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	150,000	ug/kg	70,000	SW8015M	07/26/16 01:06	WAT		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.15
Sample Tag: T-3-11_15'_20160715
Collected Date/Time: 07/15/2016 11:05
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 17:48	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 17:48	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/22/16 05:20	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.16
Sample Tag: T-3-12_9'_20160715
Collected Date/Time: 07/15/2016 16:10
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	76	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	17,000	ug/kg	4,000	SW8015M	07/27/16 18:09	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 18:09	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/22/16 05:40	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.17
Sample Tag: T-3-13_8'_20160715
Collected Date/Time: 07/15/2016 11:15
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	85	%	1	SM2540B	07/19/16 12:10	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	10,000	ug/kg	4,000	SW8015M	07/27/16 18:29	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 18:29	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/22/16 06:00	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.18
Sample Tag: T-3-14_8'_20160715
Collected Date/Time: 07/15/2016 10:05
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 18:49	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 18:49	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/22/16 06:20	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.19
Sample Tag: T-3-15_8'_20160718
Collected Date/Time: 07/18/2016 09:20
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	87	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 19:09	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 19:09	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	6,000	SW8015M	07/22/16 06:40	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.20
Sample Tag: T-3-16_8'_20160715
Collected Date/Time: 07/15/2016 09:00
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	2,252,000	ug/kg	81,000	SW8015M	07/27/16 19:30	PL		Y
TPH DRO (C32-C36)*	180,000	ug/kg	81,000	SW8015M	07/27/16 19:30	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	600,000	ug/kg	70,000	SW8015M	07/27/16 15:17	JGH		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.21
Sample Tag: T-3-16_9'_20160715
Collected Date/Time: 07/15/2016 09:05
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	78	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,128,000	ug/kg	32,000	SW8015M	07/27/16 19:50	PL		Y
TPH DRO (C32-C36)*	107,000	ug/kg	32,000	SW8015M	07/27/16 19:50	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	44,000	ug/kg	8,000	SW8015M	07/22/16 07:21	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.22
Sample Tag: T-3-17_6'_20160715
Collected Date/Time: 07/15/2016 09:15
Matrix: Soil
COC Reference: 092999

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	623,000	ug/kg	31,000	SW8015M	07/27/16 20:10	PL		Y
TPH DRO (C32-C36)*	79,000	ug/kg	31,000	SW8015M	07/27/16 20:10	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	18,000	ug/kg	7,000	SW8015M	07/22/16 07:41	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.23
Sample Tag: T-3-18_8'_20160715
Collected Date/Time: 07/15/2016 09:55
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	169,000	ug/kg	16,000	SW8015M	07/27/16 20:30	PL		Y
TPH DRO (C32-C36)*	29,000	ug/kg	16,000	SW8015M	07/27/16 20:30	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/22/16 08:01	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.24
Sample Tag: T-3-18_9'_20160715
Collected Date/Time: 07/15/2016 10:00
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	83	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	230,000	ug/kg	12,000	SW8015M	07/27/16 20:51	PL		Y
TPH DRO (C32-C36)*	38,000	ug/kg	12,000	SW8015M	07/27/16 20:51	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/22/16 09:41	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.25
Sample Tag: T-3-19_9'_20160715
Collected Date/Time: 07/15/2016 16:15
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	83	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	14,000	ug/kg	4,000	SW8015M	07/27/16 21:11	PL		
TPH DRO (C32-C36)*	8,000	ug/kg	4,000	SW8015M	07/27/16 21:11	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/25/16 19:44	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.26
Sample Tag: T-3-20_8'_20160718
Collected Date/Time: 07/18/2016 09:15
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	4,000	ug/kg	4,000	SW8015M	07/27/16 21:31	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 21:31	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/25/16 20:04	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.27
Sample Tag: T-3-21_7'_20160715
Collected Date/Time: 07/15/2016 17:25
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	84	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	2,782,000	ug/kg	79,000	SW8015M	07/27/16 21:51	PL		Y
TPH DRO (C32-C36)*	265,000	ug/kg	79,000	SW8015M	07/27/16 21:51	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	41,000	ug/kg	7,000	SW8015M	07/25/16 20:24	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.28
Sample Tag: T-3-22_9'_20160715
Collected Date/Time: 07/15/2016 17:00
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	7,000	ug/kg	4,000	SW8015M	07/27/16 22:11	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 22:11	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/25/16 20:44	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.29
Sample Tag: T-4-7_6'_20160713
Collected Date/Time: 07/13/2016 14:05
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	85	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	7,000	ug/kg	4,000	SW8015M	07/27/16 22:32	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 22:32	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/25/16 21:04	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.30
Sample Tag: T-4-8_6'_20160713
Collected Date/Time: 07/13/2016 13:10
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	13,209,000	ug/kg	211,000	SW8015M	07/27/16 22:52	PL		YE
TPH DRO (C10-C32)* (Replicate 01)	12,227,000	ug/kg	422,000	SW8015M	07/29/16 08:24	PL		Y
TPH DRO (C32-C36)*	977,000	ug/kg	211,000	SW8015M	07/27/16 22:52	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	550,000	ug/kg	80,000	SW8015M	07/27/16 15:37	JGH		Y

Y-Elevated reporting limit due to high target concentration E-Concentration exceeds calibration range

Analytical Laboratory Report

Lab Sample ID: S74818.31
Sample Tag: T-4-8_10'_20160713
Collected Date/Time: 07/13/2016 13:15
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/26/16 23:50	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/26/16 23:50	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/25/16 21:45	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.32
Sample Tag: T-4-9_6'_20160713
Collected Date/Time: 07/13/2016 09:10
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	9,000	ug/kg	4,000	SW8015M	07/27/16 00:50	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 00:50	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/25/16 22:05	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.33
Sample Tag: T-4-10_7'_20160713
Collected Date/Time: 07/13/2016 13:25
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	3,716,000	ug/kg	83,000	SW8015M	07/27/16 01:10	PL		Y
TPH DRO (C32-C36)*	335,000	ug/kg	83,000	SW8015M	07/27/16 01:10	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	570,000	ug/kg	80,000	SW8015M	07/27/16 15:57	JGH		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.34
Sample Tag: T-4-10_10'_20160713
Collected Date/Time: 07/13/2016 13:30
Matrix: Soil
COC Reference: 092998

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	6,000	ug/kg	4,000	SW8015M	07/27/16 01:31	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 01:31	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/25/16 22:46	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.35
Sample Tag: T-4-11_9'_20160712
Collected Date/Time: 07/12/2016 15:00
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,205,000	ug/kg	41,000	SW8015M	07/27/16 01:51	PL		Y
TPH DRO (C32-C36)*	116,000	ug/kg	41,000	SW8015M	07/27/16 01:51	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	51,000	ug/kg	7,000	SW8015M	07/25/16 23:06	WAT		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.36
Sample Tag: T-4-11_10'_20160712
Collected Date/Time: 07/12/2016 15:10
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	7,000	ug/kg	4,000	SW8015M	07/27/16 02:11	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 02:11	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/25/16 23:26	WAT		

Analytical Laboratory Report

Lab Sample ID: S74818.37
Sample Tag: T-4-12_6'_20160713
Collected Date/Time: 07/13/2016 10:30
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 02:31	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 02:31	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 13:35	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.38
Sample Tag: T-4-13_7'_20160713
Collected Date/Time: 07/13/2016 15:45
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	254,000	ug/kg	13,000	SW8015M	07/27/16 02:51	PL		Y
TPH DRO (C32-C36)*	32,000	ug/kg	13,000	SW8015M	07/27/16 02:51	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	23,000	ug/kg	8,000	SW8015M	07/26/16 13:55	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74818.39
Sample Tag: T-4-13_10'_20160713
Collected Date/Time: 07/13/2016 15:45
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	83	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	5,000	ug/kg	4,000	SW8015M	07/27/16 03:11	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 03:11	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 14:15	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.40
Sample Tag: T-4-14_6'_20160713
Collected Date/Time: 07/13/2016 14:40
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 03:31	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 03:31	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/26/16 14:35	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.41
Sample Tag: T-4-15_6'_20160713
Collected Date/Time: 07/13/2016 14:25
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 03:51	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 03:51	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/26/16 14:55	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.42
Sample Tag: T-4-16_6'_20160713
Collected Date/Time: 07/13/2016 14:10
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	74,000	ug/kg	4,000	SW8015M	07/27/16 04:11	PL		
TPH DRO (C32-C36)*	11,000	ug/kg	4,000	SW8015M	07/27/16 04:11	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 15:15	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.43
Sample Tag: T-4-17_8'_20160712
Collected Date/Time: 07/12/2016 16:15
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	112,000	ug/kg	4,000	SW8015M	07/27/16 04:31	PL		
TPH DRO (C32-C36)*	14,000	ug/kg	4,000	SW8015M	07/27/16 04:31	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	201,000	ug/kg	8,000	SW8015M	07/26/16 12:54	JGH		

Analytical Laboratory Report

Lab Sample ID: S74818.44
Sample Tag: T-4-17_10'_20160712
Collected Date/Time: 07/12/2016 16:20
Matrix: Soil
COC Reference: 092997

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.1	IR
1	4oz Glass	None	Yes	4.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 17:42	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/19/16 13:15	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	7,000	ug/kg	4,000	SW8015M	07/27/16 04:51	PL		
TPH DRO (C32-C36)*	4,000	ug/kg	4,000	SW8015M	07/27/16 04:51	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 13:14	JGH		

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C.O.C. PAGE # 1 OF 4

092987

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Seth Maher
COMPANY: Stantec
ADDRESS: 2321 Club Meridian Dr. STE E
CITY: Okemos STATE: MI ZIP CODE: 48864
PHONE NO.: (517) 490-7967 FAX NO.:
P.O. NO.: 212201118-712
E-MAIL ADDRESS: seth.maher@Stantec.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 212201118-712
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Anna Skinner / Anna Skinner

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74818.01	7/18/16	1040	T-2-8-8'_20160718	S	2	X					X		X	RL < 500 mg/kg for TPH combined
.02		1205	T-2-11_7'_20160718											
.03		1210	T-2-11-9'_20160718											
.04		1150	T-2-12_7'_20160718											
.05		1155	T-2-12_8'_20160718											
.06		1100	T-2-15_7'_20160718											
.07	↓	1055	~~T-2-9_9'-2~~ T-2-15_9'_20160718											
.08	7/15/16	1225	T-3-7_8'_20160715											
.09		1430	T-3-8_11'_20160715											
	7/16/16		~~T-3-8_12'_20160716~~ (AMS)											
.10	↓	1435	T-3-8_12'_20160715											
.11	↓	1510	T-3-9_11'_20160715											

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Anna Skinner / Stantec ☒ Sampler	DATE 7/18/16	TIME 1600
RECEIVED BY: SIGNATURE/ORGANIZATION	FedEx	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	FedEx	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	Sam Smith	DATE 7/19/16	TIME 9:45

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

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C.O.C. PAGE # 2 OF 4

092999

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Same as 1 of 4
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☒ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74818.12	7/15/16	1515	T-3-9_15'_20160715	S	2	X					X		X	RL <500 mg/kg for TPH combined
.13		1215	T-3-10_8'_20160715											
.14		1100	T-3-11_12'_20160715											
.15		1105	T_3-11_15'_20160715											
	~~7/16/16~~	~~1610~~	~~T-3-12-9'-20160716~~ (AMS) 20160715											
.16	7/15/15	1610	T-3-12_9'_~~20160716~~ (AMS) 20160715											
.17		1115	T-3-13_8'_20160715											
.18		1005	T-3-14_8'_20160715											
.19	7/18/15	0920	T-3-15_8'_20160718											
.20	7/15/16	0900	T-3-16_8'_20160715											
.21		0905	T-3-16_9'_20160715											
.22		0915	T-3-17=6'_20160715											

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Anna Shinn / Stantec ☒ Sampler DATE: 7/18/16 TIME: 1600
RECEIVED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Sam Smith DATE: 7/19/16 TIME: 945

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

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092998

CHAIN OF CUSTODY RECORD

REPORT TO

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CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74818.23	7/15/16	0955	T-3-18-8'-20160715	S	2	X					X		X	RL <500 mg/kg for TPH combined
.24	↓	1000	T-3-18-9'-20160715											
.25	↓	1615	T-3-19-9'-20160715											
.26	7/18/16	0915	T-3-20-8'-20160718											
.27	7/15/16	1725	T-3-21-7'-20160715											
.28	7/15/16	1700	T-3-22-9'-20160715											
.29	7/13/15	1405	T-4-7-6'-20160713											
.30	↓	1310	T-4-8-6'-20160713											
.31		1315	T-4-8-10'-20160713											
.32		0910	T-4-9-6'-20160713											
.33		1325	T-4-10-7'-20160713											
.34	↓	1330	T-4-10-10'-20160713	↓	↓	↓					↓		↓	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Anna Shinn / Stantec ☒ Sampler DATE: 7/18/16 TIME: 1600
RECEIVED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Sam Smith DATE: 7/19/16 TIME: 945

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 4.1

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092997

CHAIN OF CUSTODY RECORD

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CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
748[illegible]35	7/12/16	1500	T-4-11-9'-20160712	S	2	X					X		X	RL < 500 mg/kg
.36	↓	1510	T-4-11-10'-20160712											for TPH combined
	~~7/16/16~~	~~1030~~	~~T-4-12-6'-20160716~~ (Ams)											
.37	7/13/16	1030	T-4-12-6'-20160713											
.38		1545	T-4-13-7'-20160713											
.39		1545	T-4-13-10'-20160713											
.40		1440	T-4-14-6'-20160713											
.41		1425	T-4-15-6'-20160713											
.42	↓	1410	T-4-16-6'-20160713											
.43	7/12/16	1615	T-4-17-8'-20160712											
.44	↓	1620	T-4-17-10'-20160712	↓	↓	↓					↓		↓	
~~.45~~														

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Anna Shinn / Stantec ☒ Sampler DATE: 7/18/16 TIME: 1600
RECEIVED BY: SIGNATURE/ORGANIZATION: Fed Ex DATE: TIME:
RELINQUISHED BY: SIGNATURE/ORGANIZATION: Fed Ex DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Sam Smith DATE: 7/19/16 TIME: 945

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
SEAL NO.: SEAL INTACT YES ☐ NO ☐ INITIALS:
SEAL NO.: SEAL INTACT YES ☐ NO ☐ INITIALS:
NOTES: TEMP. ON ARRIVAL: 4.1

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Rev. 5.18.12

Analytical Laboratory Report

Report ID: S74873.01(01)
Generated on 08/03/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505
MSA# 94023

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Addtional Contacts: BJ Collins, Anna Skinner, Tom Madsen, Savanah Whitaker, Jim Burns, Brent Lucyk, Chris Beall

Report Summary

Lab Sample ID(s): S74873.01-S74873.29
Project: 212201118_712
Collected Date: 07/18/2016 - 07/20/2016
Submitted Date/Time: 07/21/2016 09:30
Sampled by: Anna Skinner
P.O. #: 212201118_712

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Sample Summary (Page 5)



Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
SM2540B	Standard Method 2540 B 20th Edition
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified

Sample Summary (29 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74873.01	T-1-7_8'_20160720	Soil	07/20/16 10:00
S74873.02	T-1-8_8'_20160720	Soil	07/20/16 10:35
S74873.03	T-1-9_6'_20160719	Soil	07/19/16 13:25
S74873.04	T-1-10_7'_20160719	Soil	07/19/16 13:35
S74873.05	T-1-10_9'_201607219	Soil	07/19/16 13:40
S74873.06	T-1-11_6'_20160720	Soil	07/20/16 09:45
S74873.07	T-1-11_10'_20160720	Soil	07/20/16 09:50
S74873.08	T-1-12_7'_20160719	Soil	07/19/16 14:25
S74873.09	T-1-12_11'_20160719	Soil	07/19/16 14:30
S74873.10	T-1-13_7'_20160719	Soil	07/19/16 14:45
S74873.11	T-1-13_11'_20160719	Soil	07/19/16 14:40
S74873.12	T-1-14_8'_20160720	Soil	07/20/16 10:40
S74873.13	T-1-15_8'-_20160720	Soil	07/20/16 09:00
S74873.14	T-1-15_10'_20160720	Soil	07/20/16 09:05
S74873.15	T-1-16_15'_20160719	Soil	07/19/16 15:50
S74873.16	T-1-17_5'_20160720	Soil	07/20/16 08:55
S74873.17	T-1-18_6'_20160719	Soil	07/19/16 16:55
S74873.18	T-1-18_7'_20160719	Soil	07/19/16 17:00
S74873.19	T-1-19_8'_20160719	Soil	07/19/16 16:05
S74873.20	T-2-7_6'_20160719	Soil	07/19/16 10:45
S74873.21	T-2-9_6'_20160719	Soil	07/19/16 10:40
S74873.22	T-2-10_8'_20160718	Soil	07/18/16 15:30
S74873.23	T-2-13_6'_20160719	Soil	07/19/16 10:30
S74873.24	T-2-14_2'_20160718	Soil	07/18/16 16:20
S74873.25	T-2-16_7'_20160719	Soil	07/19/16 08:20
S74873.26	T-2-17_7'_20160719	Soil	07/19/16 08:40
S74873.27	T-2-18_6'_20160719	Soil	07/19/16 09:40
S74873.28	T-2-19_5'_20160719	Soil	07/19/16 09:45
S74873.29	T-1-16_7'_20160719	Soil	07/19/16 15:55

Analytical Laboratory Report

Lab Sample ID: S74873.01
Sample Tag: T-1-7_8'_20160720
Collected Date/Time: 07/20/2016 10:00
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/21/16 18:42	EMR		
Inorganics								
Total Solids*	77	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	5,000	ug/kg	4,000	SW8015M	07/27/16 06:43	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/27/16 06:43	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/26/16 15:35	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.02
Sample Tag: T-1-8_8'_20160720
Collected Date/Time: 07/20/2016 10:35
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	4,000	ug/kg	4,000	SW8015M	07/29/16 16:46	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 16:46	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 15:55	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.03
Sample Tag: T-1-9_6'_20160719
Collected Date/Time: 07/19/2016 13:25
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	3,050,000	ug/kg	163,000	SW8015M	07/29/16 20:47	PL		Y
TPH DRO (C32-C36)*	714,000	ug/kg	163,000	SW8015M	07/29/16 20:47	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 16:15	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.04
Sample Tag: T-1-10_7'_20160719
Collected Date/Time: 07/19/2016 13:35
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	3,879,000	ug/kg	83,000	SW8015M	07/29/16 21:07	PL		Y
TPH DRO (C32-C36)*	552,000	ug/kg	83,000	SW8015M	07/29/16 21:07	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	58,000	ug/kg	7,000	SW8015M	07/26/16 17:04	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.05
Sample Tag: T-1-10_9'_201607219
Collected Date/Time: 07/19/2016 13:40
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,737,000	ug/kg	62,000	SW8015M	07/29/16 21:28	PL		Y
TPH DRO (C32-C36)*	308,000	ug/kg	62,000	SW8015M	07/29/16 21:28	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	34,000	ug/kg	7,000	SW8015M	07/26/16 17:24	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.06
Sample Tag: T-1-11_6'_20160720
Collected Date/Time: 07/20/2016 09:45
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	77	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	4,050,000	ug/kg	130,000	SW8015M	07/29/16 21:48	PL		Y
TPH DRO (C32-C36)*	390,000	ug/kg	130,000	SW8015M	07/29/16 21:48	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	260,000	ug/kg	40,000	SW8015M	07/28/16 14:10	JGH		Y

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.07
Sample Tag: T-1-11_10'_20160720
Collected Date/Time: 07/20/2016 09:50
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	7,000	ug/kg	4,000	SW8015M	07/29/16 17:46	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 17:46	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 18:05	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.08
Sample Tag: T-1-12_7'_20160719
Collected Date/Time: 07/19/2016 14:25
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	1,834,000	ug/kg	162,000	SW8015M	07/29/16 22:08	PL		Y
TPH DRO (C32-C36)*	179,000	ug/kg	62,000	SW8015M	07/29/16 22:08	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	202,000	ug/kg	7,000	SW8015M	07/26/16 18:25	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.09
Sample Tag: T-1-12_11'_20160719
Collected Date/Time: 07/19/2016 14:30
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	74	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	11,000	ug/kg	4,000	SW8015M	07/29/16 18:06	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 18:06	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/26/16 18:45	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.10
Sample Tag: T-1-13_7'_20160719
Collected Date/Time: 07/19/2016 14:45
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	5,935,000	ug/kg	83,000	SW8015M	07/29/16 22:28	PL		YE
TPH DRO (C10-C32)* (Replicate 01)	7,160,000	ug/kg	156,000	SW8015M	08/02/16 05:02	PL		Y
TPH DRO (C32-C36)*	698,000	ug/kg	83,000	SW8015M	07/29/16 22:28	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	182,000	ug/kg	7,000	SW8015M	07/26/16 19:05	JGH		

Y-Elevated reporting limit due to high target concentration E-Concentration exceeds calibration range

Analytical Laboratory Report

Lab Sample ID: S74873.11
Sample Tag: T-1-13_11'_20160719
Collected Date/Time: 07/19/2016 14:40
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	77	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 18:26	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 18:26	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/26/16 19:25	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.12
Sample Tag: T-1-14_8'_20160720
Collected Date/Time: 07/20/2016 10:40
Matrix: Soil
COC Reference: 092988

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	4,000	ug/kg	4,000	SW8015M	07/29/16 18:46	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 18:46	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/26/16 19:45	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.13
Sample Tag: T-1-15_8'-_20160720
Collected Date/Time: 07/20/2016 09:00
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	14,409,000	ug/kg	422,000	SW8015M	07/29/16 23:48	PL		Y
TPH DRO (C32-C36)*	1,375,000	ug/kg	422,000	SW8015M	07/29/16 23:48	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	92,000	ug/kg	8,000	SW8015M	07/27/16 06:50	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.14
Sample Tag: T-1-15_10'_20160720
Collected Date/Time: 07/20/2016 09:05
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	92	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	6,000	ug/kg	4,000	SW8015M	07/29/16 19:07	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 19:07	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	6,000	SW8015M	07/27/16 07:10	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.15
Sample Tag: T-1-16_15'_20160719
Collected Date/Time: 07/19/2016 15:50
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	84	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 19:27	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 19:27	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 16:17	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.16
Sample Tag: T-1-17_5'_20160720
Collected Date/Time: 07/20/2016 08:55
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	3,672,000	ug/kg	125,000	SW8015M	07/29/16 22:48	PL		Y
TPH DRO (C32-C36)*	400,000	ug/kg	125,000	SW8015M	07/29/16 22:48	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	45,000	ug/kg	7,000	SW8015M	07/27/16 16:37	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.17
Sample Tag: T-1-18_6'_20160719
Collected Date/Time: 07/19/2016 16:55
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	3,355,000	ug/kg	123,000	SW8015M	07/29/16 23:08	PL		Y
TPH DRO (C32-C36)*	514,000	ug/kg	123,000	SW8015M	07/29/16 23:08	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 16:57	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.18
Sample Tag: T-1-18_7'_20160719
Collected Date/Time: 07/19/2016 17:00
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	80	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 19:47	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 19:47	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 17:17	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.19
Sample Tag: T-1-19_8'_20160719
Collected Date/Time: 07/19/2016 16:05
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 20:07	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 20:07	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 17:37	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.20
Sample Tag: T-2-7_6'_20160719
Collected Date/Time: 07/19/2016 10:45
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/25/16 22:41	EMR		
Inorganics								
Total Solids*	79	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	22,000	ug/kg	4,000	SW8015M	07/29/16 20:27	PL		
TPH DRO (C32-C36)*	8,000	ug/kg	4,000	SW8015M	07/29/16 20:27	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 17:57	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.21
Sample Tag: T-2-9_6'_20160719
Collected Date/Time: 07/19/2016 10:40
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	77	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	7,000	ug/kg	4,000	SW8015M	07/29/16 05:23	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 05:23	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	8,000	SW8015M	07/27/16 18:17	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.22
Sample Tag: T-2-10_8'_20160718
Collected Date/Time: 07/18/2016 15:30
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	87	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 05:43	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 05:43	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	6,000	SW8015M	07/27/16 18:38	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.23
Sample Tag: T-2-13_6'_20160719
Collected Date/Time: 07/19/2016 10:30
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	5,000	ug/kg	4,000	SW8015M	07/29/16 06:03	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 06:03	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 18:58	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.24
Sample Tag: T-2-14_2'_20160718
Collected Date/Time: 07/18/2016 16:20
Matrix: Soil
COC Reference: 092989

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	88	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	6,000	ug/kg	4,000	SW8015M	07/29/16 06:23	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 06:23	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	6,000	SW8015M	07/27/16 19:18	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.25
Sample Tag: T-2-16_7'_20160719
Collected Date/Time: 07/19/2016 08:20
Matrix: Soil
COC Reference: 092990

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	87	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 06:43	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 06:43	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	6,000	SW8015M	07/27/16 19:38	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.26
Sample Tag: T-2-17_7'_20160719
Collected Date/Time: 07/19/2016 08:40
Matrix: Soil
COC Reference: 092990

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	82	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 07:04	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 07:04	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 19:58	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.27
Sample Tag: T-2-18_6'_20160719
Collected Date/Time: 07/19/2016 09:40
Matrix: Soil
COC Reference: 092990

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	9,000	ug/kg	4,000	SW8015M	07/29/16 07:24	PL		
TPH DRO (C32-C36)*	Not detected	ug/kg	4,000	SW8015M	07/29/16 07:24	PL		
Organics - Volatiles								
TPH GRO (C6-C10)*	Not detected	ug/kg	7,000	SW8015M	07/27/16 20:19	JGH		

Analytical Laboratory Report

Lab Sample ID: S74873.28
Sample Tag: T-2-19_5'_20160719
Collected Date/Time: 07/19/2016 09:45
Matrix: Soil
COC Reference: 092990

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	81	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	5,327,000	ug/kg	123,000	SW8015M	07/29/16 07:44	PL		Y
TPH DRO (C32-C36)*	366,000	ug/kg	123,000	SW8015M	07/29/16 07:44	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	57,000	ug/kg	7,000	SW8015M	07/27/16 20:39	JGH		

Y-Elevated reporting limit due to high target concentration

Analytical Laboratory Report

Lab Sample ID: S74873.29
Sample Tag: T-1-16_7'_20160719
Collected Date/Time: 07/19/2016 15:55
Matrix: Soil
COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.8	IR
1	4oz Glass	None	Yes	0.8	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/26/16 15:55	EMR		
Inorganics								
Total Solids*	2	%	1	SM2540B	07/21/16 13:05	JBL		
Organics - Semi-Volatiles								
TPH DRO (C10-C32)*	112,000,000	ug/kg	5,000,000	SW8015M	07/29/16 08:04	PL		Y
TPH DRO (C32-C36)*	12,000,000	ug/kg	5,000,000	SW8015M	07/29/16 08:04	PL		Y
Organics - Volatiles								
TPH GRO (C6-C10)*	6,300,000	ug/kg	500,000	SW8015M	07/28/16 14:30	JGH		Y

Y-Elevated reporting limit due to high target concentration

Merit Laboratories, Inc.

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C.O.C. PAGE # 1 OF 3

092988

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Seth Maher
COMPANY: Stantec
ADDRESS: 2321 Club Meridian Dr. STE E
CITY: Okemos STATE: MI ZIP CODE: 48864
PHONE NO.: (517) 490-7967 FAX NO.:
P.O. NO.: 212201118-712
E-MAIL ADDRESS: seth.maher@stantec.com
QUOTE NO.:

INVOICE TO

CONTACT NAME: [X] SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 212201118-712
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Anna Skinner / Anna Skinner

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
14873.01	7/20/16	1000	T-1-7.8'-20160720	S	2	X					X		X	RL <500 mg/kg for TPH combined
.02	↓	1035	T-1-8.8'-20160720											
.03	7/19/16	1325	T-1-9.6'-20160719											
.04		1335	T-1-10.7'-20160719											
.05	↓	1340	T-1-10.9'-20160719											
.06	7/20/16	0945	T-1-11.6'-20160720											
.07	↓	0950	T-1-11.10'-20160720											
.08	7/19/16	1425	T-1-12.7'-20160719											
.09		1430	T-1-12.11'-20160719											
.10		1445	T-1-13.7'-20160719											
.11	↓	1440	T-1-13.11'-20160719											
.12	7/20/16	1040	T-1-14.8'-20160720											

		DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Anna Skinner / Stantec (Sampler)	7/20/16	1600
RECEIVED BY: SIGNATURE/ORGANIZATION	Fed Ex		
RELINQUISHED BY: SIGNATURE/ORGANIZATION	Fed Ex		
RECEIVED BY: SIGNATURE/ORGANIZATION	M Allcate	7/21/16	930

RELINQUISHED BY: SIGNATURE/ORGANIZATION — DATE — TIME
RECEIVED BY: SIGNATURE/ORGANIZATION — DATE — TIME

SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS
SEAL NO. — SEAL INTACT YES ☐ NO ☐ — INITIALS

NOTES: TEMP. ON ARRIVAL 0.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

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C.O.C. PAGE # 2 OF 3

092989

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: same as 1 of 3
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. FOR LAB USE ONLY	YEAR DATE	TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74873.13	7/20/16	0900	T-1-15-8'-20160720	S	2	X					X		X	RL <500 mg/kg for TPH combined
.14	↓	0905	T-1-15-10'-20160720											
.15	7/19/16	1550	T-1-16-15'-20160719											
.16	7/20/16	0855	T-1-17-5'-20160720											
.17	7/19/16	1655	T-1-18-6'-20160719											
.18		1700	T-1-18-7-20160719											
.19		1605	T-1-19-8'-20160719											
.20		1045	T-2-7-6'-20160719											
.21	↓	1040	T-2-9-6'-20160719											
.22	7/18/16	1530	T-2-10-8'-20160718											
.23	7/19/16	1030	T-2-13-6'-20160719											
.24	7/18/16	1620	T-2-14-2'-20160718											

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Anna Shinn / Stantec ☒ Sampler DATE: 7/20/16 TIME: 1600
RECEIVED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: M Allcoote DATE: 7/21/16 TIME: 930

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 0.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

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C.O.C. PAGE # 3 OF 3

092990

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Same as 1 of 3
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: FAX NO.: P.O. NO.:
E-MAIL ADDRESS: QUOTE NO.:

INVOICE TO

CONTACT NAME: ☐ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: SAMPLER(S) - PLEASE PRINT/SIGN NAME:

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☒ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☒ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications: ☐ OHIO VAP ☐ Drinking Water ☐ DoD ☐ NPDES

Project Locations: ☐ Detroit ☐ New York ☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015B	Special Instructions
74873.25	7/19/16	0820	T-2-16_7'_20160719	S	2	X					X		X	<500 mg/Kg RL for TPH combined
.26	↓	0840	T-2-17_7'_20160719	↓	↓	↓					↓		↓	
.27	↓	0940	T-2-18_6'_20160719	↓	↓	↓					↓		↓	
			~~T-2-19-6~~ (Ans) ~~T-2-19-5'_20160719~~											
.28	7/19/16	0945	T-2-19_5'_20160719	S	2	X					X		X	

RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
Anna Ahrens/Stantec	☒ Sampler	7/20/16	1600
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
FedEx			
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
FedEx			
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME
M Ardcott		7/21/16	930

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	DATE	TIME

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 0.8

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Supplemental Report

Report ID: S74874.01(02)
Generated on 07/28/2016
Replaces report S74874.01(01) generated on 07/25/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505
MSA# 94023

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Addtional Contacts: BJ Collins, Anna Skinner, Tom Madsen, Savanah Whitaker, Jim Burns, Brent Lucyk, Chris Beall

Report Summary

Lab Sample ID(s): S74874.01-S74874.03
Project: 212201118 / CVX-Wilson Creek
Collected Date: 07/18/2016
Submitted Date/Time: 07/21/2016 09:30
Sampled by: Chris Trelles
P.O. #: 212201118_712

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

All analyses complete

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
20B	20B
E120.1	EPA Method 120.1 Revision 1982
E200.8	EPA Method 200.8 Revision 5.4
SM2540B	Standard Method 2540 B 20th Edition
SM3500-Cr B	Standard Method 3500 Cr B 20th Edition
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270C-SIMS	SW 846 Method 8270C Revision 3 December 1996 SIMs
SW8270D	SW 846 Method 8270D Revision 4 February 2007
SW9045D	SW 846 Method 9045D Revision 4 November 2004

Sample Summary (3 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74874.01	T-7-Bottom-A	Soil	07/18/16 15:30
S74874.02	T-7-Bottom-B	Soil	07/18/16 16:00
S74874.03	T-7-Sidewall	Soil	07/18/16 15:00

Lab Sample ID: S74874.01
Sample Tag: T-7-Bottom-A
Collected Date/Time: 07/18/2016 15:30
Matrix: Soil
COC Reference: 092991

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.9	IR
2	4oz Glass	None	Yes	0.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/22/16 16:47	EMR		
Mercury Digestion	Completed			SW7471B	07/25/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/26/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/27/16 10:00	PER		
PNA Extraction	Completed			SW3550C	07/22/16 16:44	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/26/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	5	SM3500-Cr B	07/26/16 14:45	JKB	18540-29-9	
Conductivity	250.5	umhos/cm		E120.1	07/28/16 13:10	JKB		
pH/ Corrosivity	8.16	STD Units	0.01	SW9045D	07/25/16 17:11	ASB		
Total Solids	84	%	1	SM2540B	07/22/16 14:00	JBL		
Metals								
Hot Water Extraction	Completed				07/27/16 10:00	PER		
Arsenic	1.28	mg/kg	0.20	SW6020A	07/26/16 16:27	PER	7440-38-2	
Barium	104	mg/kg	1.0	SW6020A	07/26/16 16:27	PER	7440-39-3	
Cadmium	0.24	mg/kg	0.20	SW6020A	07/26/16 16:27	PER	7440-43-9	
Chromium III	Not detected	mg/kg	5.0	SW6020A	07/26/16 14:45	JKB	16065-83-1	
Chromium	3.16	mg/kg	0.50	SW6020A	07/26/16 16:27	PER	7440-47-3	
Copper	9.63	mg/kg	0.50	SW6020A	07/26/16 16:27	PER	7440-50-8	
Lead	10.5	mg/kg	0.20	SW6020A	07/26/16 16:27	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/25/16 15:26	RGS	7439-97-6	
Nickel	7.67	mg/kg	0.50	SW6020A	07/26/16 16:27	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/26/16 16:27	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/26/16 16:27	PER	7440-22-4	
Zinc	22.2	mg/kg	0.50	SW6020A	07/26/16 16:27	PER	7440-66-6	
Boron	0.17	mg/L	0.10	E200.8	07/27/16 13:06	PER	7440-42-8	
Calcium	104	mg/L	5.0	E200.8	07/27/16 11:42	PER	7440-70-2	
Magnesium	15.9	mg/L	1.0	E200.8	07/27/16 11:42	PER	7439-95-4	
Sodium	14.7	mg/L	1.0	E200.8	07/27/16 11:42	PER	7440-23-5	
Sodium Adsorption Ratio	0.354	ru		20B	07/28/16 14:30	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 14:12	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 14:12	PL	53-70-3	
TPH DRO (C10-C32)	10,000	ug/kg	4,000	SW8015M	07/25/16 14:31	JGH		B
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/25/16 14:31	JGH		

B-Compound also found in associated method blank

Lab Sample ID: S74874.01 (continued)
Sample Tag: T-7-Bottom-A

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/25/16 14:31	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/25/16 14:31	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/25/16 14:31	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 14:31	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/22/16 19:04	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:04	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:04	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:04	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	07/22/16 19:04	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:04	JGH	95-47-6	

Lab Sample ID: S74874.02
Sample Tag: T-7-Bottom-B
Collected Date/Time: 07/18/2016 16:00
Matrix: Soil
COC Reference: 092991

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.9	IR
2	4oz Glass	None	Yes	0.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/22/16 16:47	EMR		
Mercury Digestion	Completed			SW7471B	07/25/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/26/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/27/16 10:00	PER		
PNA Extraction	Completed			SW3550C	07/22/16 16:44	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/26/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	5	SM3500-Cr B	07/26/16 15:05	JKB	18540-29-9	
Conductivity	442.5	umhos/cm		E120.1	07/28/16 13:14	JKB		
pH/ Corrosivity	8.31	STD Units	0.01	SW9045D	07/25/16 17:20	ASB		
Total Solids	83	%	1	SM2540B	07/22/16 14:00	JBL		
Metals								
Hot Water Extraction	Completed				07/27/16 10:00	PER		
Arsenic	1.74	mg/kg	0.20	SW6020A	07/26/16 16:31	PER	7440-38-2	
Barium	114	mg/kg	1.0	SW6020A	07/26/16 16:31	PER	7440-39-3	
Cadmium	0.28	mg/kg	0.20	SW6020A	07/26/16 16:31	PER	7440-43-9	
Chromium III	Not detected	mg/kg	5.0	SW6020A	07/26/16 15:05	JKB	16065-83-1	
Chromium	4.01	mg/kg	0.50	SW6020A	07/26/16 16:31	PER	7440-47-3	
Copper	10.8	mg/kg	0.50	SW6020A	07/26/16 16:31	PER	7440-50-8	
Lead	12.1	mg/kg	0.20	SW6020A	07/26/16 16:31	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/25/16 15:28	RGS	7439-97-6	
Nickel	8.67	mg/kg	0.50	SW6020A	07/26/16 16:31	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/26/16 16:31	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/26/16 16:31	PER	7440-22-4	
Zinc	30.7	mg/kg	0.50	SW6020A	07/26/16 16:31	PER	7440-66-6	
Boron	0.17	mg/L	0.10	E200.8	07/27/16 13:09	PER	7440-42-8	
Calcium	132	mg/L	5.0	E200.8	07/27/16 11:43	PER	7440-70-2	
Magnesium	16.8	mg/L	1.0	E200.8	07/27/16 11:43	PER	7439-95-4	
Sodium	70.7	mg/L	1.0	E200.8	07/27/16 11:43	PER	7440-23-5	
Sodium Adsorption Ratio	1.54	ru		20B	07/28/16 14:30	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 14:30	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 14:30	PL	53-70-3	
TPH DRO (C10-C32)	11,000	ug/kg	4,000	SW8015M	07/25/16 14:51	JGH		B
TPH DRO (C32-C36)	4,000	ug/kg	4,000	SW8015M	07/25/16 14:51	JGH		

B-Compound also found in associated method blank

Lab Sample ID: S74874.02 (continued)
Sample Tag: T-7-Bottom-B

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/25/16 14:51	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/25/16 14:51	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/25/16 14:51	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 14:51	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/22/16 19:24	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:24	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:24	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:24	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	07/22/16 19:24	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 19:24	JGH	95-47-6	

Lab Sample ID: S74874.03
Sample Tag: T-7-Sidewall
Collected Date/Time: 07/18/2016 15:00
Matrix: Soil
COC Reference: 092991

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	0.9	IR
2	4oz Glass	None	Yes	0.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/22/16 16:47	EMR		
Mercury Digestion	Completed			SW7471B	07/25/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/26/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/27/16 10:00	PER		
PNA Extraction	Completed			SW3550C	07/22/16 16:44	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/26/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	5	SM3500-Cr B	07/26/16 15:10	JKB	18540-29-9	
Conductivity	185.5	umhos/cm		E120.1	07/28/16 13:16	JKB		
pH/ Corrosivity	7.71	STD Units	0.01	SW9045D	07/25/16 17:28	ASB		
Total Solids	86	%	1	SM2540B	07/22/16 14:00	JBL		
Metals								
Hot Water Extraction	Completed				07/27/16 10:00	PER		
Arsenic	2.19	mg/kg	0.20	SW6020A	07/26/16 16:33	PER	7440-38-2	
Barium	116	mg/kg	1.0	SW6020A	07/26/16 16:33	PER	7440-39-3	
Cadmium	0.36	mg/kg	0.20	SW6020A	07/26/16 16:33	PER	7440-43-9	
Chromium III	Not detected	mg/kg	5.0	SW6020A	07/26/16 15:10	JKB	16065-83-1	
Chromium	4.52	mg/kg	0.50	SW6020A	07/26/16 16:33	PER	7440-47-3	
Copper	11.2	mg/kg	0.50	SW6020A	07/26/16 16:33	PER	7440-50-8	
Lead	12.5	mg/kg	0.20	SW6020A	07/26/16 16:33	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/25/16 15:30	RGS	7439-97-6	
Nickel	8.49	mg/kg	0.50	SW6020A	07/26/16 16:33	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/26/16 16:33	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/26/16 16:33	PER	7440-22-4	
Zinc	46.0	mg/kg	0.50	SW6020A	07/26/16 16:33	PER	7440-66-6	
Boron	0.19	mg/L	0.10	E200.8	07/27/16 13:11	PER	7440-42-8	
Calcium	78.8	mg/L	5.0	E200.8	07/27/16 11:44	PER	7440-70-2	
Magnesium	12.0	mg/L	1.0	E200.8	07/27/16 11:44	PER	7439-95-4	
Sodium	2.38	mg/L	1.0	E200.8	07/27/16 11:44	PER	7440-23-5	
Sodium Adsorption Ratio	0.066	ru		20B	07/28/16 14:30	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 14:49	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 14:49	PL	53-70-3	
TPH DRO (C10-C32)	9,000	ug/kg	4,000	SW8015M	07/25/16 15:11	JGH		B
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/25/16 15:11	JGH		

B-Compound also found in associated method blank

Lab Sample ID: S74874.03 (continued)
Sample Tag: T-7-Sidewall

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/25/16 15:11	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/25/16 15:11	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/25/16 15:11	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 15:11	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/22/16 19:45	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	60	SW5035A/8260C	07/22/16 19:45	JGH	71-43-2	
Toluene	Not detected	ug/kg	60	SW5035A/8260C	07/22/16 19:45	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	60	SW5035A/8260C	07/22/16 19:45	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	07/22/16 19:45	JGH		
o-Xylene	Not detected	ug/kg	60	SW5035A/8260C	07/22/16 19:45	JGH	95-47-6	

Merit Laboratories, Inc.
2680 East Lansing Dr., East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

092991

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Seth Maher
COMPANY: Stantec
ADDRESS: 2321 Club Meridian Dr STE E
CITY: Okemos STATE: MI ZIP CODE: 48864
PHONE NO.: (517) 490-7967 FAX NO.:
P.O. NO.: 21220118
E-MAIL ADDRESS: Seth.Maher@Stantec.com
QUOTE NO.: 160523-01

INVOICE TO

CONTACT NAME: ☑ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 21220118 / CVX - Wilson Creek
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Chris Trelles

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☑ OTHER 5 days

DELIVERABLES REQUIRED ☑ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

160523-01

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES
Project Locations
☐ Detroit ☐ New York
☐ Other
Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	Special Instructions
74874.01	7-18-16	1530	T-7 - Bottom - A	S	3	2					1		RL ~ <500 mg/kg for TPH combined
.02	7-18-16	1600	T-7 - 13 - Bottom - B	S	3	2					1		
.03	7-18-16	1500	T-7 - Sidewall	S	3	2					1		

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Chris Trelles Stantec ☑ Sampler	DATE: 7-20-16	TIME: 1300	
RECEIVED BY: SIGNATURE/ORGANIZATION: FedEx	DATE:	TIME:	
RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEX	DATE:	TIME:	
RECEIVED BY: SIGNATURE/ORGANIZATION: M Chilcote	DATE: 7/21/16	TIME: 930	

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 0.9

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Supplemental Report

Report ID: S74904.01(02)
Generated on 07/28/2016
Replaces report S74904.01(01) generated on 07/25/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505
MSA# 94023

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

Merit Laboratories, Inc.
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East Lansing, MI 48823

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Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Addtional Contacts: BJ Collins, Anna Skinner, Tom Madsen, Savanah Whitaker, Jim Burns, Brent Lucyk, Chris Beall

Report Summary

Lab Sample ID(s): S74904.01-S74904.03
Project: 212201118-712 / CVX-Wilson Creek
Collected Date: 07/21/2016
Submitted Date/Time: 07/22/2016 09:42
Sampled by: Chris Trelles
P.O. #: 212201118-712

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

All analyses complete

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
20B	20B
E120.1	EPA Method 120.1 Revision 1982
E200.8	EPA Method 200.8 Revision 5.4
SM2540B	Standard Method 2540 B 20th Edition
SM3500-Cr B	Standard Method 3500 Cr B 20th Edition
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270C-SIMS	SW 846 Method 8270C Revision 3 December 1996 SIMs
SW8270D	SW 846 Method 8270D Revision 4 February 2007
SW9045D	SW 846 Method 9045D Revision 4 November 2004

Sample Summary (3 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74904.01	T6-Bottom-A	Soil	07/21/16 10:30
S74904.02	T6-Bottom-B	Soil	07/21/16 11:30
S74904.03	T6-Sidewall	Soil	07/21/16 11:00

Lab Sample ID: S74904.01
Sample Tag: T6-Bottom-A
Collected Date/Time: 07/21/2016 10:30
Matrix: Soil
COC Reference: 092992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	3.7	IR
2	4oz Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/22/16 18:51	EMR		
Mercury Digestion	Completed			SW7471B	07/25/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/26/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/27/16 10:00	PER		
PNA Extraction	Completed			SW3550C	07/22/16 18:54	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/26/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	5	SM3500-Cr B	07/26/16 15:15	JKB	18540-29-9	
Conductivity	325.5	umhos/cm		E120.1	07/28/16 13:18	JKB		
pH/ Corrosivity	7.93	STD Units	0.01	SW9045D	07/25/16 17:47	ASB		
Total Solids	84	%	1	SM2540B	07/22/16 14:00	JBL		
Metals								
Hot Water Extraction	Completed				07/27/16 10:00	PER		
Arsenic	1.90	mg/kg	0.20	SW6020A	07/26/16 16:35	PER	7440-38-2	
Barium	112	mg/kg	1.0	SW6020A	07/26/16 16:35	PER	7440-39-3	
Cadmium	0.47	mg/kg	0.20	SW6020A	07/26/16 16:35	PER	7440-43-9	
Chromium III	Not detected	mg/kg	5.0	SW6020A	07/26/16 15:15	JKB	16065-83-1	
Chromium	3.46	mg/kg	0.50	SW6020A	07/26/16 16:35	PER	7440-47-3	
Copper	13.2	mg/kg	0.50	SW6020A	07/26/16 16:35	PER	7440-50-8	
Lead	14.8	mg/kg	0.20	SW6020A	07/26/16 16:35	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/25/16 15:36	RGS	7439-97-6	
Nickel	14.7	mg/kg	0.50	SW6020A	07/26/16 16:35	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/26/16 16:35	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/26/16 16:35	PER	7440-22-4	
Zinc	27.7	mg/kg	0.50	SW6020A	07/26/16 16:35	PER	7440-66-6	
Boron	Not detected	mg/L	0.10	E200.8	07/27/16 13:12	PER	7440-42-8	
Calcium	69.5	mg/L	5.0	E200.8	07/27/16 11:45	PER	7440-70-2	
Magnesium	19.4	mg/L	1.0	E200.8	07/27/16 11:45	PER	7439-95-4	
Sodium	39.8	mg/L	1.0	E200.8	07/27/16 11:45	PER	7440-23-5	
Sodium Adsorption Ratio	1.09	ru		20B	07/28/16 14:30	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 13:16	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 13:16	PL	53-70-3	
TPH DRO (C10-C32)	12,000	ug/kg	4,000	SW8015M	07/25/16 15:31	JGH		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/25/16 15:31	JGH		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	120-12-7	

Lab Sample ID: S74904.01 (continued)
Sample Tag: T6-Bottom-A

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/25/16 15:31	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/25/16 15:31	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/25/16 15:31	PL	193-39-5	
Naphthalene	2,000	ug/kg	300	SW8270D	07/25/16 15:31	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 15:31	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/22/16 20:05	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:05	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:05	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:05	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	07/22/16 20:05	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:05	JGH	95-47-6	

Lab Sample ID: S74904.02
Sample Tag: T6-Bottom-B
Collected Date/Time: 07/21/2016 11:30
Matrix: Soil
COC Reference: 092992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	3.7	IR
2	4oz Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/22/16 18:51	EMR		
Mercury Digestion	Completed			SW7471B	07/25/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/26/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/27/16 10:00	PER		
PNA Extraction	Completed			SW3550C	07/22/16 18:54	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/26/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	07/26/16 15:20	JKB	18540-29-9	
Conductivity	176.5	umhos/cm		E120.1	07/28/16 13:20	JKB		
pH/ Corrosivity	7.49	STD Units	0.01	SW9045D	07/25/16 17:56	ASB		
Total Solids	79	%	1	SM2540B	07/22/16 14:00	JBL		
Metals								
Hot Water Extraction	Completed				07/27/16 10:00	PER		
Arsenic	1.59	mg/kg	0.20	SW6020A	07/26/16 16:37	PER	7440-38-2	
Barium	156	mg/kg	1.0	SW6020A	07/26/16 16:37	PER	7440-39-3	
Cadmium	0.59	mg/kg	0.20	SW6020A	07/26/16 16:37	PER	7440-43-9	
Chromium III	Not detected	mg/kg	10.0	SW6020A	07/26/16 15:20	JKB	16065-83-1	
Chromium	4.16	mg/kg	0.50	SW6020A	07/26/16 16:37	PER	7440-47-3	
Copper	12.7	mg/kg	0.50	SW6020A	07/26/16 16:37	PER	7440-50-8	
Lead	12.9	mg/kg	0.20	SW6020A	07/26/16 16:37	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/25/16 15:38	RGS	7439-97-6	
Nickel	9.66	mg/kg	0.50	SW6020A	07/26/16 16:37	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/26/16 16:37	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/26/16 16:37	PER	7440-22-4	
Zinc	48.1	mg/kg	0.50	SW6020A	07/26/16 16:37	PER	7440-66-6	
Boron	0.16	mg/L	0.10	E200.8	07/27/16 13:14	PER	7440-42-8	
Calcium	222	mg/L	5.0	E200.8	07/27/16 11:47	PER	7440-70-2	
Magnesium	49.3	mg/L	1.0	E200.8	07/27/16 11:47	PER	7439-95-4	
Sodium	8.32	mg/L	1.0	E200.8	07/27/16 11:47	PER	7440-23-5	
Sodium Adsorption Ratio	0.131	ru		20B	07/28/16 14:30	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 13:35	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 13:35	PL	53-70-3	
TPH DRO (C10-C32)	4,000	ug/kg	4,000	SW8015M	07/25/16 16:32	JGH		
TPH DRO (C32-C36)	Not detected	ug/kg	4,000	SW8015M	07/25/16 16:32	JGH		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	120-12-7	

Lab Sample ID: S74904.02 (continued)
Sample Tag: T6-Bottom-B

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/25/16 16:32	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/25/16 16:32	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/25/16 16:32	PL	193-39-5	
Naphthalene	2,000	ug/kg	300	SW8270D	07/25/16 16:32	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 16:32	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/22/16 20:25	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	07/22/16 20:25	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	07/22/16 20:25	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	80	SW5035A/8260C	07/22/16 20:25	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW5035A/8260C	07/22/16 20:25	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	07/22/16 20:25	JGH	95-47-6	

Lab Sample ID: S74904.03
Sample Tag: T6-Sidewall
Collected Date/Time: 07/21/2016 11:00
Matrix: Soil
COC Reference: 092992

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	3.7	IR
2	4oz Glass	None	Yes	3.7	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/22/16 18:51	EMR		
Mercury Digestion	Completed			SW7471B	07/27/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/26/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/27/16 10:00	PER		
PNA Extraction	Completed			SW3550C	07/22/16 18:54	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/26/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	10	SM3500-Cr B	07/26/16 15:25	JKB	18540-29-9	
Conductivity	217.5	umhos/cm		E120.1	07/28/16 13:22	JKB		
pH/ Corrosivity	7.81	STD Units	0.01	SW9045D	07/25/16 18:02	ASB		
Total Solids	84	%	1	SM2540B	07/22/16 14:00	JBL		
Metals								
Hot Water Extraction	Completed				07/27/16 10:00	PER		
Arsenic	3.25	mg/kg	0.20	SW6020A	07/26/16 16:39	PER	7440-38-2	
Barium	93.7	mg/kg	1.0	SW6020A	07/26/16 16:39	PER	7440-39-3	
Cadmium	0.24	mg/kg	0.20	SW6020A	07/26/16 16:39	PER	7440-43-9	
Chromium III	Not detected	mg/kg	10.0	SW6020A	07/26/16 15:25	JKB	16065-83-1	
Chromium	4.79	mg/kg	0.50	SW6020A	07/26/16 16:39	PER	7440-47-3	
Copper	13.2	mg/kg	0.50	SW6020A	07/26/16 16:39	PER	7440-50-8	
Lead	16.5	mg/kg	0.20	SW6020A	07/26/16 16:39	PER	7439-92-1	
Mercury	0.067	mg/kg	0.050	SW7471B	07/27/16 14:10	RGS	7439-97-6	
Nickel	10.2	mg/kg	0.50	SW6020A	07/26/16 16:39	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/26/16 16:39	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/26/16 16:39	PER	7440-22-4	
Zinc	36.0	mg/kg	0.50	SW6020A	07/26/16 16:39	PER	7440-66-6	
Boron	Not detected	mg/L	0.10	E200.8	07/27/16 13:15	PER	7440-42-8	
Calcium	125	mg/L	5.0	E200.8	07/27/16 11:48	PER	7440-70-2	
Magnesium	33.9	mg/L	1.0	E200.8	07/27/16 11:48	PER	7439-95-4	
Sodium	8.87	mg/L	1.0	E200.8	07/27/16 11:48	PER	7440-23-5	
Sodium Adsorption Ratio	0.182	ru		20B	07/28/16 14:30	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 13:53	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	SW8270C-SIMS	07/27/16 13:53	PL	53-70-3	
TPH DRO (C10-C32)	15,000	ug/kg	4,000	SW8015M	07/25/16 16:12	JGH		
TPH DRO (C32-C36)	4,000	ug/kg	4,000	SW8015M	07/25/16 16:12	JGH		
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	120-12-7	

Lab Sample ID: S74904.03 (continued)
Sample Tag: T6-Sidewall

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics (continued)								
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/25/16 16:12	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/25/16 16:12	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/25/16 16:12	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/25/16 16:12	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	7,000	SW8015M	07/22/16 20:45	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:45	JGH	71-43-2	
Toluene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:45	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:45	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	07/22/16 20:45	JGH		
o-Xylene	Not detected	ug/kg	70	SW5035A/8260C	07/22/16 20:45	JGH	95-47-6	

Merit Laboratories, Inc.

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C.O.C. PAGE # 1 OF 1

092992

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: Seth Maher
COMPANY: Stantec
ADDRESS: 2321 Club Meridian Dr. STE E
CITY: Okemos STATE: MI ZIP CODE: 48864
PHONE NO.: 517-490-7907 FAX NO.:
P.O. NO.: 21220111B - 712
E-MAIL ADDRESS: Seth.Maher@Stantec.com QUOTE NO.:

INVOICE TO

CONTACT NAME: ☑ SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: 21220111B - 712 / CVX - Wilson Creek
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Chris Talley

TURNAROUND TIME REQUIRED ☑ 1 DAY ☐ 2 DAYS ☐ 3 DAYS ☐ STANDARD ☑ OTHER 5 day

DELIVERABLES REQUIRED ☑ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	160523-01	Special Instructions
74904.01	7/21/16	1030	T6 - Bottom - A	S	3	2					1		3	24 hr TAT for TPH only
.02	7/21/16	1130	T6 - Bottom - B	S	3	2					1		3	24 hr TAT for TPH only
.03	7/21/16	1100	T6 - Sidewall	S	3	2					1		3	24 hr TAT for TPH only

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Chris Talley - Stantec ☑ Sampler DATE: 7-21-16 TIME: 1400
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: DATE: TIME:

RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Sam Smith DATE: 7/22/16 TIME: 9:42

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 3.7

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Analytical Laboratory Report

Report ID: S74551.01(01)
Generated on 07/08/2016

Report to

Attention: Seth Maher
Stantec
2321 Club Meridian Dr. #E
Okemos, MI 48864-4505

Phone: 517-490-7867 FAX: 517-349-6863
Email: seth.maher@stantec.com

Report produced by

Merit Laboratories, Inc.
2680 East Lansing Drive
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:
Kevin George (kgeorge@meritlabs.com)
Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S74551.01-S74551.02
Project: Wilson Creek
Collected Date: 06/30/2016
Submitted Date/Time: 07/05/2016 08:00
Sampled by: Gary Cameron
P.O. #: 212201118_712

Table of Contents

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Maya Murshak
Technical Director

General Report Notes

Results relate only to items tested as received by laboratory.
Methods may be modified for improved performance.
Results reported on a dry weight basis where applicable.
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).
40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.
QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.
Full accreditation certificates are available upon request.
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc.

Report Narrative

There is no additional narrative for this analytical report

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods

Method Summary

Method	Version
20B	20B
E120.1	EPA Method 120.1 Revision 1982
E200.8	EPA Method 200.8 Revision 5.4
E625-SIMS	EPA Method 625 SIMS
SM2540B	Standard Method 2540 B 20th Edition
SM3500-Cr B	Standard Method 3500 Cr B 20th Edition
SW3015A	SW 846 Method 3015A Revision 1 February 2007
SW3050B	SW 846 Method 3050B Revision 2 December 1996
SW3550C	SW 846 Method 3550C Revision 3 February 2007
SW5035A/8260C	SW 846 Method 8260C Revision 3 August 2006 / 5035A Revision 1 July 2002
SW6020A	SW 846 Method 6020A Revision 1 February 2007
SW7471B	SW 846 Method 7471B Revision 2 February 2007
SW8015M	SW 846 Method 8015C Revision 3 February 2007 Modified
SW8270D	SW 846 Method 8270D Revision 4 February 2007
SW9045D	SW 846 Method 9045D Revision 4 November 2004

Sample Summary (2 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S74551.01	Meeker Sand & Gravel (Clean Import)	Soil	06/30/16 13:10
S74551.02	Meeker Sand & Gravel (Road Base)	Soil	06/30/16 13:30

Analytical Laboratory Report

Lab Sample ID: S74551.01
Sample Tag: Meeker Sand & Gravel (Clean Import)
Collected Date/Time: 06/30/2016 13:10
Matrix: Soil
COC Reference: 092944

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	5..0	IR
1	40ml Glass	MeOH	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/06/16 21:59	EMR		
Mercury Digestion	Completed			SW7471B	07/08/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/07/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/07/16 15:00	PER		
PNA Extraction	Completed			SW3550C	07/06/16 22:04	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/07/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	1	SM3500-Cr B	07/06/16 12:15	JKB	18540-29-9	
Conductivity	1,165	umhos/cm		E120.1	07/07/16 15:10	JKB		
pH/ Corrosivity	8.10	STD Units	0.01	SW9045D	07/08/16 17:07	ASB		
Total Solids	88	%	1	SM2540B	07/05/16 15:15	JBL		
Metals								
Hot Water Extraction	Completed				07/07/16 15:00	PER		
Arsenic	2.87	mg/kg	0.20	SW6020A	07/07/16 16:01	PER	7440-38-2	
Barium	247	mg/kg	1.0	SW6020A	07/07/16 16:01	PER	7440-39-3	
Cadmium	0.18	mg/kg	0.20	SW6020A	07/07/16 16:01	PER	7440-43-9	b
Chromium III	3.37	mg/kg	1.0	SW6020A	07/07/16 16:00	PER	16065-83-1	
Chromium	3.37	mg/kg	0.50	SW6020A	07/07/16 16:01	PER	7440-47-3	
Copper	4.83	mg/kg	0.50	SW6020A	07/07/16 16:01	PER	7440-50-8	
Lead	5.29	mg/kg	0.20	SW6020A	07/07/16 16:01	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/08/16 13:57	RGS	7439-97-6	
Nickel	11.3	mg/kg	0.50	SW6020A	07/07/16 16:01	PER	7440-02-0	
Selenium	Not detected	mg/kg	0.40	SW6020A	07/07/16 16:01	PER	7782-49-2	
Silver	Not detected	mg/kg	0.20	SW6020A	07/07/16 16:01	PER	7440-22-4	
Zinc	9.43	mg/kg	0.50	SW6020A	07/07/16 16:01	PER	7440-66-6	
Boron	0.25	mg/L	0.004	E200.8	07/08/16 11:12	PER	7440-42-8	
Calcium	50.9	mg/L	5.0	E200.8	07/08/16 11:48	PER	7440-70-2	
Magnesium	29.2	mg/L	2.0	E200.8	07/08/16 11:48	PER	7439-95-4	
Sodium	33.9	mg/L	1.0	E200.8	07/08/16 11:48	PER	7440-23-5	
Sodium Adsorption Ratio	0.938	ru		20B	07/08/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	07/07/16 21:14	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	07/07/16 21:14	PL	53-70-3	
TPH DRO (C10-C32)	10,000	ug/kg	4,000	SW8015M	07/08/16 05:08	PL		
TPH DRO (C32-C36)	5,000	ug/kg	4,000	SW8015M	07/08/16 05:08	PL		

b-Value detected less than reporting limit, but greater than MDL

Lab Sample ID: S74551.01 (continued)
Sample Tag: Meeker Sand & Gravel (Clean Import)

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/08/16 05:08	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/08/16 05:08	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/08/16 05:08	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/08/16 05:08	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	8,000	SW8015M	07/07/16 13:32	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	80	SW5035A/8260C	07/07/16 13:32	JGH	71-43-2	
Toluene	Not detected	ug/kg	80	SW5035A/8260C	07/07/16 13:32	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	80	SW5035A/8260C	07/07/16 13:32	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	200	SW5035A/8260C	07/07/16 13:32	JGH		
o-Xylene	Not detected	ug/kg	80	SW5035A/8260C	07/07/16 13:32	JGH	95-47-6	

Analytical Laboratory Report

Lab Sample ID: S74551.02
Sample Tag: Meeker Sand & Gravel (Road Base)
Collected Date/Time: 06/30/2016 13:30
Matrix: Soil
COC Reference: 092944

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	8oz Glass	None	Yes	5..0	IR
1	40ml Glass	MeOH	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Extraction / Prep.								
DRO Extraction	Completed			SW3550C	07/06/16 21:59	EMR		
Mercury Digestion	Completed			SW7471B	07/08/16 10:00	RGS		
Metal Digestion	Completed			SW3050B	07/07/16 14:00	PER		
Metal Digestion	Completed			SW3015A	07/07/16 15:00	PER		
PNA Extraction	Completed			SW3550C	07/06/16 22:04	EMR		
Sodium Adsorption Ratio Prep.	Completed			20B	07/07/16 15:00	PER		
Inorganics								
Chromium VI	Not detected	mg/kg	1	SM3500-Cr B	07/06/16 12:35	JKB	18540-29-9	
Conductivity	470	umhos/cm		E120.1	07/07/16 15:14	JKB		
pH/ Corrosivity	8.85	STD Units	0.01	SW9045D	07/08/16 17:12	ASB		
Total Solids	94	%	1	SM2540B	07/05/16 15:15	JBL		
Metals								
Hot Water Extraction	Completed				07/07/16 15:00	PER		
Arsenic	1.18	mg/kg	0.20	SW6020A	07/07/16 16:04	PER	7440-38-2	
Barium	130	mg/kg	1.0	SW6020A	07/07/16 16:04	PER	7440-39-3	
Cadmium	0.09	mg/kg	0.20	SW6020A	07/07/16 16:04	PER	7440-43-9	b
Chromium III	2.06	mg/kg	1.0	SW6020A	07/08/16 16:04	PER	16065-83-1	
Chromium	2.06	mg/kg	0.50	SW6020A	07/07/16 16:04	PER	7440-47-3	
Copper	3.28	mg/kg	0.50	SW6020A	07/07/16 16:04	PER	7440-50-8	
Lead	1.56	mg/kg	0.20	SW6020A	07/07/16 16:04	PER	7439-92-1	
Mercury	Not detected	mg/kg	0.050	SW7471B	07/08/16 13:59	RGS	7439-97-6	
Nickel	12.0	mg/kg	0.50	SW6020A	07/07/16 16:04	PER	7440-02-0	
Selenium	0.22	mg/kg	0.40	SW6020A	07/07/16 16:04	PER	7782-49-2	b
Silver	Not detected	mg/kg	0.20	SW6020A	07/07/16 16:04	PER	7440-22-4	
Zinc	6.73	mg/kg	0.50	SW6020A	07/07/16 16:04	PER	7440-66-6	
Boron	0.19	mg/L	0.004	E200.8	07/08/16 11:13	PER	7440-42-8	
Calcium	119	mg/L	5.0	E200.8	07/08/16 11:49	PER	7440-70-2	
Magnesium	22.1	mg/L	2.0	E200.8	07/08/16 11:49	PER	7439-95-4	
Sodium	31.3	mg/L	1.0	E200.8	07/08/16 11:49	PER	7440-23-5	
Sodium Adsorption Ratio	0.691	ru		20B	07/08/16 17:00	BJB		
Organics - Semi-Volatiles								
Benzo(a)pyrene	Not detected	ug/kg	20	E625-SIMS	07/07/16 21:33	PL	50-32-8	
Dibenzo(ah)anthracene	Not detected	ug/kg	20	E625-SIMS	07/07/16 21:33	PL	53-70-3	
TPH DRO (C10-C32)	25,000	ug/kg	4,000	SW8015M	07/08/16 05:28	PL		
TPH DRO (C32-C36)	8,000	ug/kg	4,000	SW8015M	07/08/16 05:28	PL		

b-Value detected less than reporting limit, but greater than MDL

Lab Sample ID: S74551.02 (continued)
Sample Tag: Meeker Sand & Gravel (Road Base)

Analysis	Results	Units	RL	Method	Run Date/Time	Tech	CAS #	Flags
Organics - Semi-Volatiles (continued)								
Polynuclear Aromatics								
Acenaphthene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	83-32-9	
Anthracene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	120-12-7	
Benzo(a)anthracene	Not detected	ug/kg	220	SW8270D	07/08/16 05:28	PL	56-55-3	
Benzo(a)pyrene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	50-32-8	
Benzo(b)fluoranthene	Not detected	ug/kg	220	SW8270D	07/08/16 05:28	PL	205-99-2	
Benzo(k)fluoranthene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	207-08-9	
Chrysene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	218-01-9	
Dibenzo(ah)anthracene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	53-70-3	
Fluoranthene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	206-44-0	
Fluorene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	86-73-7	
Indeno(1,2,3-cd)pyrene	Not detected	ug/kg	220	SW8270D	07/08/16 05:28	PL	193-39-5	
Naphthalene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	91-20-3	
Pyrene	Not detected	ug/kg	300	SW8270D	07/08/16 05:28	PL	129-00-0	
Organics - Volatiles								
TPH GRO (C6-C10)	Not detected	ug/kg	6,000	SW8015M	07/07/16 13:52	JGH		
BTEX 5035								
Benzene	Not detected	ug/kg	60	SW5035A/8260C	07/07/16 13:52	JGH	71-43-2	
Toluene	Not detected	ug/kg	60	SW5035A/8260C	07/07/16 13:52	JGH	108-88-3	
Ethylbenzene	Not detected	ug/kg	60	SW5035A/8260C	07/07/16 13:52	JGH	100-41-4	
p,m-Xylene	Not detected	ug/kg	100	SW5035A/8260C	07/07/16 13:52	JGH		
o-Xylene	Not detected	ug/kg	60	SW5035A/8260C	07/07/16 13:52	JGH	95-47-6	

Merit Laboratories, Inc.

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Phone (517) 332-0167 Fax (517) 332-4034
www.meritlabs.com

C.O.C. PAGE # 1 OF 1

092944

CHAIN OF CUSTODY RECORD

REPORT TO

CONTACT NAME: SETH MAHER
COMPANY: STANTEC
ADDRESS: 2321 CLUB MERIDIAN DR. STE E
CITY: OKEMOS STATE: MI ZIP CODE: 48864
PHONE NO.: 517 490 7967 FAX NO.: — P.O. NO.: 212201118-712
E-MAIL ADDRESS: SETH.MAHER@STANTEC.COM QUOTE NO.: 160523-01

INVOICE TO

CONTACT NAME: X SAME
COMPANY:
ADDRESS:
CITY: STATE: ZIP CODE:
PHONE NO.: E-MAIL ADDRESS:

PROJECT NO./NAME: WILSON Creek
SAMPLER(S) - PLEASE PRINT/SIGN NAME: Gary Cameron / Gary Cameron

TURNAROUND TIME REQUIRED ☐ 1 DAY ☐ 2 DAYS ☒ 3 DAYS ☐ STANDARD ☐ OTHER

DELIVERABLES REQUIRED ☐ STD ☐ LEVEL II ☐ LEVEL III ☐ LEVEL IV ☐ EDD ☐ OTHER

MATRIX CODE: GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

MERIT LAB NO. (FOR LAB USE ONLY)	YEAR DATE	YEAR TIME	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives: NONE	HCl	HNO_3	H_2SO_4	NaOH	MeOH	OTHER	TPH 8015 B	Full List	Quek 160523-01
74551.01	6/30/16	13:10	Meeker Sand + Gravel (Clean Import)	S	2	1					1		X	X	X
.02	6/30/16	13:30	Meeker Sand + Gravel (Road Base)	S	2	1					1		X	X	X

ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

Certifications
☐ OHIO VAP ☐ Drinking Water
☐ DoD ☐ NPDES

Project Locations
☐ Detroit ☐ New York
☐ Other

Special Instructions
Need Detection limits per COGCC Table 910. Please report estimated values if needed.

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Gary Cameron X Sampler DATE: 7/1/16 TIME: 4:00
RECEIVED BY: SIGNATURE/ORGANIZATION: FedEx DATE: 7/2/16 TIME: 1030

RELINQUISHED BY: SIGNATURE/ORGANIZATION: FedEx DATE: TIME:
RECEIVED BY: SIGNATURE/ORGANIZATION: Merit Cooler DATE: 7/2/16 TIME: 1030

RELINQUISHED BY: SIGNATURE/ORGANIZATION: Merit Cooler DATE: 7/5/16 TIME: 800
RECEIVED BY: SIGNATURE/ORGANIZATION: Megan Dilcato DATE: 7/5/16 TIME: 800

SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS
SEAL NO. SEAL INTACT YES ☐ NO ☐ INITIALS

NOTES: TEMP. ON ARRIVAL 5.0

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

Rev. 5.18.12

Appendix D

Bill To:
CHEVRON USA
100 CHEVRON RD

RANGELY CO 81648

RNI
DALBO HOLDINGS INC

7/29/2016

Batch ID:CHEUSA160729

Remit To:
RN Trucking
PO Box 98
Roosevelt, UT 84066

Date	Hauled by	Ticket #	Well Location	Site	Commodity	QTY	Unit	Rate	Charge Type	Charge
7/20/2016	URIE	404743	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD	Redacted		
7/20/2016	URIE	404744	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404745	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404747	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404748	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404749	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404750	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404751	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/20/2016	URIE	404752	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	URIE	404753	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	URIE	404757	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	URIE	404759	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	URIE	404760	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	URIE	404764	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	URIE	404766	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	WELDON	404754	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	WELDON	404755	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	WELDON	404763	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	WELDON	404765	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	KUERSTEN	404756	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	KUERSTEN	404758	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	KUERSTEN	404761	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/21/2016	KUERSTEN	404762	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	URIE	404768	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	URIE	404769	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	URIE	404770	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	URIE	404776	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			

Date	Hauled by	Ticket #	Well Location	Site	Commodity	QTY	Unit	Rate	Charge Type	Charge
7/22/2016	WELDON	404771	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD	Redacted		
7/22/2016	WELDON	404778	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404772	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404777	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404779	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404773	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404775	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404781	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404782	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404783	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404784	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404785	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/22/2016	KUERSTEN	404786	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404790	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404792	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404793	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404794	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404795	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	URIE	404796	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	URIE	404798	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	URIE	404801	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	URIE	404804	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	URIE	404805	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	WELDON	404797	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	WELDON	404806	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	WELDON	404807	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404799	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404800	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404808	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/25/2016	KUERSTEN	404809	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	URIE	404019	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	URIE	404022	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	URIE	404029	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			

Date	Hauled by	Ticket #	Well Location	Site	Commodity	QTY	Unit	Rate	Charge Type	Charge
7/26/2016	URIE	404030	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD	Redacted		
7/26/2016	WELDON	404020	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	WELDON	404021	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	WELDON	404027	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	WELDON	404028	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	KUERSTEN	404023	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	KUERSTEN	404024	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	KUERSTEN	404031	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	KUERSTEN	404032	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	URIE	404033	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	URIE	404035	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	WELDON	404034	WILSON CREEK TERRACE	Piceance Creek	Soil	3	YRD			
7/26/2016	WELDON	404036	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/26/2016	KUERSTEN	404037	WILSON CREEK TERRACE	Piceance Creek	Soil	10	YRD			
7/29/2016	KUERSTEN	404060	WILSON CREEK TERRACE	Piceance Creek	Soil	11	YRD			

Comments:

Total Count: 744

Total Char es: $ Redacted

AFE/WO Number:

Code Number:

User Number:

Approved by: _____

Name: _____

Title: _____

Date: _____

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404743

DISPOSAL SITES						FOR OFFICE USE ONLY	
				VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	☐ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)				
☐ RANGELY	☐ GLEN BENCH-SOUTH	☐ PRODUCTION WATER	☐ OTHER			
☐ ACE	☐ CHAPITA	☐ FLOWBACK				
☐ WONSIT	☐ BLUEBELL	**CATEGORY 2** (BBLS)				
☐ SEEP RIDGE	☐ PLEASANT VALLEY	☐ FLUSH LOADS	☐ CELLARS			
		☐ CEMENT WATER	☐ OTHER			
DATE	7-20-16	**CATEGORY 3** (BBLS)				
BILL TO COMPANY	Chevron	☐ LANDFARM/LAND FILL LIQUIDS				
COMPANY MAN	Tony Ruiz	☐ DRILLING MUD BBLS	☐ OTHER			
LOCATION	Terrace	**CATEGORY 4** (SOLIDS IN YARDS)				
TRUCK COMPANY	UTE	☑ SOLIDS (IN YARDS)	☐ SOIL	10 YDS		
DRIVER	Bo	☐ DRILL CUTTINGS	☐ OTHER			
TRUCK #	108					
TRUCK TICKET #					**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

CUSTOMER SIGNATURE: _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0212 -16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE Co ZIP 81641	7-20-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HydroCarbon Impacted Soil			10 yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terra Project.

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-6097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-20-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Oriz Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve Cress	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Bo Hines	PRINTED/TYPED NAME
SIGNATURE DATE 7-20-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI		435-823-1390

PERMIT NO.	20. COMMENTS
	Call Travis.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-20-16	

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0213 -16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-20-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. EAP Hydrocarbon Impacted Soil			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-20-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: One Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Elaine Ure	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 675-5726	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: R Yan	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-20-16	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI		435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-20-16	

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0214 -16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-20-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P Hydrocarbon Impacted Soils			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Terrace Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz	[signature]	7-20-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Urie Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Jeffy R. Sheridan	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7.20.16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI		435-823-1390

PERMIT NO.	20. COMMENTS
	Call Tinji

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-20-16	

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404745

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-20-16
BILL TO COMPANY	CHEVRON
COMPANY MAN	Tonio Ruis
LOCATION	Terrace
TRUCK COMPANY	URIE
DRIVER	Tuffy
TRUCK #	4
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 yrds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: Tuffy R. Shirk

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404747

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-20-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	URE
DRIVER	Bo
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 Yards		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST NO. EMC 0215 -16 1. PAGE 1 OF 1 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970- 683-4964
4. ADDRESS: 7265 Rio Blanco CR 9
CITY: Meeker STATE: Co ZIP: 81641
5. PICK-UP DATE: 7-20-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P Hydrocarbon Impacted Soil			10 yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project.

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-20-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Urie Trucking
IN CASE OF EMERGENCY CONTACT: Steve Urie
EMERGENCY PHONE: 970-675-5766

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Bo Cural
SIGNATURE: [signature] DATE: 7-20-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker CO 81641
PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS
Call Travis.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404748

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-20-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Urie
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404744

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☒ PICEANCE	☐ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
☐ RANGELY	☐ GLEN BENCH-SOUTH	☐ PRODUCTION WATER			
☐ ACE	☐ CHAPITA	☐ FLOWBACK ☐ OTHER			
☐ WONSIT	☐ BLUEBELL	**CATEGORY 2** (BBLS)			
☐ SEEP RIDGE	☐ PLEASANT VALLEY	☐ FLUSH LOADS ☐ CELLARS			
		☐ CEMENT WATER ☐ OTHER			
DATE	7-20-16	**CATEGORY 3** (BBLS)			
BILL TO COMPANY	Chevron	☐ LANDFARM/LAND FILL LIQUIDS			
COMPANY MAN	Tony Ruiz	☐ DRILLING MUD BBLS ☐ OTHER			
LOCATION	Terrace	**CATEGORY 4** (SOLIDS IN YARDS)			
TRUCK COMPANY	Uriz	☒ SOLIDS (IN YARDS) ☐ SOIL	10 yds		
DRIVER	Ryan	☐ DRILL CUTTINGS ☐ OTHER			
TRUCK #	112				
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

CUSTOMER SIGNATURE: _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0216 -16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-20-16
PHONE NO. 970-683-4964	CITY Meeker STATE Co ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P Hydrocarbon Impacted Soil			10 yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: ~~Antonio Ruiz~~ Terrace Project — 13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-20-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Urie Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Elaine Ruiz	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 175-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-20-16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker, CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D404749

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☒ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7-20-16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	CHEVRON	**CATEGORY 3** (BBLS)			
COMPANY MAN	TONIO RUIZ	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	TERRACE	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	URIE	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	TUFFY	❑ SOLIDS (IN YARDS) ❑ SOIL	10 yards		
TRUCK #	6	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Tuffy K. Ute

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0217-16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-20-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HYDROCARBON Impacted Soil			10 yds		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Treaco Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz | 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-20-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: Urie Trucking (T+S)	NAME:
IN CASE OF EMERGENCY CONTACT: Steve Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5761	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Tuffy R. Sheridan	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-20-16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1320 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~ [signature]	CELL NO.	DATE	TIME

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

0 404750

DISPOSAL SITES			
☑ PICEANCE	☐ GLEN BENCH- NORTH		
☐ RANGELY	☐ GLEN BENCH-SOUTH		
☐ ACE	☐ CHAPITA		
☐ WONSIT	☐ BLUEBELL		
☐ SEEP RIDGE	☐ PLEASANT VALLEY		

			VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
DATE	6-20-16	**CATEGORY 1** (BBLS)			
BILL TO COMPANY	Chevron	☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
COMPANY MAN	Tony Ruiz	**CATEGORY 2** (BBLS)			
LOCATION	Terrace	☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
TRUCK COMPANY	UNIT	**CATEGORY 3** (BBLS)			
DRIVER	Bo	☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
TRUCK #	108	**CATEGORY 4** (SOLIDS IN YARDS)			
TRUCK TICKET #		☑ SOLIDS (IN YARDS) ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 yards		
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

CUSTOMER SIGNATURE: _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 021816 | 1. PAGE 1 OF | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR9 CITY Meeker STATE CO ZIP 81641	7-20-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HYDROCARBON IMPACT SOIL			10YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

TRANSPORTER

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-20-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Urie Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Bo Lucas	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-20-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Henry Drive Meeker CO 81641	PHONE: 435-823-1396
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]	CELL NO.	DATE	TIME

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404751

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-20-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Uris
DRIVER	Ryan
TRUCK #	12
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0219-16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco Cr 9	7-20-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HydroCarbon Impact Soil			10 YRDs		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0099

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-20-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Orie Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Elaine Orie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE 7-20-16	SIGNATURE: DATE

DISPOSAL FACILITY

	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
RNI		
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404752

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☒ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7-20-16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)			
COMPANY MAN	Antonio Ruiz	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Terrace	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	URIG	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Taffy	☒ SOLIDS (IN YARDS) ❑ SOIL	10 Yrds		
TRUCK #	6	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Taffy K. Slick

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on Behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0220-16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK	7265 Rio Blanco CR 9	7-20-16
PHONE NO. 970-683-4964	CITY Meeker STATE Co ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HYDROCARBON Impact Soil			10 YRDS.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-20-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Urie Trucking (T+S)	NAME
IN CASE OF EMERGENCY CONTACT: Stevearie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Tuffy R. Sheridan	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-20-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404753

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-7-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	URE
DRIVER	BO
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 YDS		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

CUSTOMER SIGNATURE: _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0222-16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970 683-4964	7265 Rio Blanco Cr 9 CITY Meeker STATE CO ZIP 81641	7-21-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P Impacted Soil (Hydrocarbon)			10 YRD.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Texas Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0997

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE — DATE: 7-21-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Ulrich Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Steve Ulrich	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:	PRINTED/TYPED NAME:
SIGNATURE: Bo Ulrich DATE: 7-21-16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404757

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	☐ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
☐ RANGELY	☐ GLEN BENCH-SOUTH	☐ PRODUCTION WATER			
☐ ACE	☐ CHAPITA	☐ FLOWBACK ☐ OTHER			
☐ WONSIT	☐ BLUEBELL	**CATEGORY 2** (BBLS)			
☐ SEEP RIDGE	☐ PLEASANT VALLEY	☐ FLUSH LOADS ☐ CELLARS			
DATE	7-21-16	☐ CEMENT WATER ☐ OTHER			
BILL TO COMPANY	CHEVRON	**CATEGORY 3** (BBLS)			
COMPANY MAN	ANTONIO RUIZ	☐ LANDFARM/LAND FILL LIQUIDS			
LOCATION	TERRACE PROJECT	☐ DRILLING MUD BBLS ☐ OTHER			
TRUCK COMPANY	WR-2	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	TUFFY	☐ SOLIDS (IN YARDS) ☐ SOIL	10 yrds		
TRUCK #	2	☐ DRILL CUTTINGS ☐ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Tuffy R Shrick

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 01 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
PHONE NO.	CITY / STATE / ZIP	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a.					
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Unit Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve Ulrie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Taffy A. Sheridan	PRINTED/TYPED NAME
SIGNATURE DATE 7-21-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
EMI		
PERMIT NO.	20. COMMENTS: CALL TJAM	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-21-16	

GENERATOR: COPIES 1 | DISPOSAL SITE: COPIES 2 | TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D404759

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Uric
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC ON BEHALF OF MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0225 -16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK FMT	7265 RIO BLANCO CR 9	7-21-16
PHONE NO. 970- 683-4964	CITY MEEKER STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HYDROCARBON IMPACTED SOIL			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE PROJECT

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME ANTONIO RUIZ — SIGNATURE — DATE 7-21-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME URIE TRUCKING	NAME
IN CASE OF EMERGENCY CONTACT: Elaine Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Ryan	PRINTED/TYPED NAME
SIGNATURE — DATE 7-21-16	SIGNATURE — DATE

DISPOSAL FACILITY

	ADDRESS: 1300 PENNY DRIVE	PHONE: 435-823-1390
RUI	MEEKER CO 81641	

PERMIT NO.

20. COMMENTS: CALL TRAVIS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-21-16	

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404760

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	LATE
DRIVER	Bo
TRUCK #	108
TRUCK TICKET #	

		FOR OFFICE USE ONLY		
		VOLUME	UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)				
❑ PRODUCTION WATER				
❑ FLOWBACK	❑ OTHER			
CATEGORY 2 (BBLS)				
❑ FLUSH LOADS	❑ CELLARS			
❑ CEMENT WATER	❑ OTHER			
CATEGORY 3 (BBLS)				
❑ LANDFARM/LAND FILL LIQUIDS				
❑ DRILLING MUD BBLS	❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)				
☑ SOLIDS (IN YARDS)	❑ SOIL	10 yds		
❑ DRILL CUTTINGS	❑ OTHER			
			Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 04-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-21-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Terrace Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: ORIE TRUCKING	NAME:
IN CASE OF EMERGENCY CONTACT: Steve ORIE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675 5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ro Lucas	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE 7-21-16	SIGNATURE: DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Dr Meeker CO 81641	435-823-1390
PERMIT NO.	20. COMMENTS: Call TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404764

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Uric
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 07-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-683-4964
4. ADDRESS: 7265 Rio Blanco CR 9
CITY: Meeker STATE: CO ZIP: 81641
5. PICK-UP DATE: 7-21-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 Yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project
13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Unit Trucking
IN CASE OF EMERGENCY CONTACT: Flavio Ruiz
EMERGENCY PHONE: 675-5766

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan Waters
SIGNATURE: [signature] DATE: 7-21-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker CO 81641
PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404766

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	CHEVRON
COMPANY MAN	ANTONIO RUIZ
LOCATION	TERRACE PROJECT
TRUCK COMPANY	URIE
DRIVER	TUFFY
TRUCK #	6
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL	10 yrds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Tuffy Richard

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 10-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson CREEK	7265 Rio Blanco Cty	7-21-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P HYDROCarbon IMPACT Soil			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Orie Trucking (T & S)	NAME
IN CASE OF EMERGENCY CONTACT: Steve Orie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Taft Sheridan	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-21-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 800 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404754

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon.
DRIVER	J. Baumgarther
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) 10yds ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC

ON BEHALF OF MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0224 - 16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK FMT	7265 RIO BLANCO C.R. 9	7-21-16
PHONE NO. 970-683-4964	CITY MEEKER STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P HYDROCARBON IMPACTED SOIL			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE PROJECT

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED/TYPED NAME ANTONIO RUIZ — SIGNATURE [signature] — DATE 7-21-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Weldons	NAME
IN CASE OF EMERGENCY CONTACT: MAIN OFFICE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Justin Bainmgartner	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-21	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: 300 PENNY DRIVE	PHONE:
RNI	MEEKER CO 81641	435-823-1330
PERMIT NO.	20. COMMENTS: CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404755

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7/21/16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Tendoy
TRUCK COMPANY	Weldon Const.
DRIVER	Chris Moad
TRUCK #	252
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ❑ SOIL	10 Yards		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Chris Moad

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0223-16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME / PHONE NO.	4. ADDRESS / CITY / STATE / ZIP	5. PICK-UP DATE	6.
Wilson Creek Fmt 970-693-4964	7265 Rio Blanco Cr 4 Meeker CO 81641	7-21-16	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. 40 P Hydrocarbon Impacted Soil			10 YRD		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-6079

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-21-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Welders	NAME:
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Chris Moritz	PRINTED/TYPED NAME:
SIGNATURE: Chris Moritz DATE 7/21/16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404763

DISPOSAL SITES					FOR OFFICE USE ONLY	
☑ PICEANCE	☐ GLEN BENCH- NORTH		VOLUME	UNIT PRICE	TOTAL	
☐ RANGELY	☐ GLEN BENCH-SOUTH	**CATEGORY 1** (BBLS)				
☐ ACE	☐ CHAPITA	☐ PRODUCTION WATER				
☐ WONSIT	☐ BLUEBELL	☐ FLOWBACK ☐ OTHER				
☐ SEEP RIDGE	☐ PLEASANT VALLEY	**CATEGORY 2** (BBLS)				
DATE	7-21-16	☐ FLUSH LOADS ☐ CELLARS				
BILL TO COMPANY	Chevron	☐ CEMENT WATER ☐ OTHER				
COMPANY MAN	Tony Ruiz	**CATEGORY 3** (BBLS)				
LOCATION	Tetrac@	☐ LANDFARM/LAND FILL LIQUIDS				
TRUCK COMPANY	Weldon	☐ DRILLING MUD BBLS ☐ OTHER				
DRIVER	Justin Baumgartner	**CATEGORY 4** (SOLIDS IN YARDS)				
TRUCK #	250	☑ SOLIDS (IN YARDS) 10 yds ☐ SOIL	10 yds			
TRUCK TICKET #		☐ DRILL CUTTINGS ☐ OTHER				
					Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 05-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-683-4964
4. ADDRESS: 7265 Rio Blanco CR9
CITY: Meeker STATE: CO ZIP: 81641
5. PICK-UP DATE: 7-21-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HYDROCARBON IMPACT SOIL			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE PROJECT

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Weldons
IN CASE OF EMERGENCY CONTACT: Main Office
EMERGENCY PHONE: 435 789-9059

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Justin Bannister
SIGNATURE: [signature] DATE: 7-21

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 800 Penny Drive Meeker CO 81641
PHONE: 435-823-89[illegible]

PERMIT NO.

20. COMMENTS: CALL TRAILS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404765

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7/21/16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Lenore
TRUCK COMPANY	Welden County
DRIVER	Chris Moak
TRUCK #	252
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ❑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yd		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 06-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-21-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Weldon's	NAME
IN CASE OF EMERGENCY CONTACT: main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME CHRIS MOAK	PRINTED/TYPED NAME
SIGNATURE Chris Mk DATE 7/21/16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1370
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404756

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	La Grace
TRUCK COMPANY	Kuerston
DRIVER	Jim
TRUCK #	209
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS) ☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS) ☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Jim Brownson

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 02 - 2016 | 1. PAGE 1 OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
PHONE NO.	CITY STATE ZIP	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. Soil Hydrocarbon Impacted Soil					
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Kuerston	NAME
IN CASE OF EMERGENCY CONTACT: Patti Arnett	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970 274 9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Jim Brownson	PRINTED/TYPED NAME
SIGNATURE Jim Brownson DATE 7-21-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:

PERMIT NO.	20. COMMENTS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D404758

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	☐ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
☐ RANGELY	☐ GLEN BENCH-SOUTH	☐ PRODUCTION WATER			
☐ ACE	☐ CHAPITA	☐ FLOWBACK ☐ OTHER			
☐ WONSIT	☐ BLUEBELL	**CATEGORY 2** (BBLS)			
☐ SEEP RIDGE	☐ PLEASANT VALLEY	☐ FLUSH LOADS ☐ CELLARS			
DATE	7/21/16	☐ CEMENT WATER ☐ OTHER			
BILL TO COMPANY	CHEVRON	**CATEGORY 3** (BBLS)			
COMPANY MAN	ANTONIO RUIZ	☐ LANDFARM/LAND FILL LIQUIDS			
LOCATION	FERRACE PROJ.	☐ DRILLING MUD BBLS ☐ OTHER			
TRUCK COMPANY	KURLSTEN CONS.	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	NORM BRADEN	☑ SOLIDS (IN YARDS) ☐ SOIL	10		
TRUCK #	218	☐ DRILL CUTTINGS ☐ OTHER			
TRUCK TICKET #					
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST | NO. 03-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-653-4964	7265 Rio Blanco CR 9 CITY: Meeker STATE: CO ZIP: 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-21-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: KURTSTEN	NAME:
IN CASE OF EMERGENCY CONTACT: Pat Aanch	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: [illegible]	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: [illegible]	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Running Drive Meeker CO 81641	435-828-1390

PERMIT NO.

20. COMMENTS: CALL TJANI

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 — DISPOSAL SITE: COPIES 2 — TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404761

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-21-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Lehrace
TRUCK COMPANY	Kverston
DRIVER	Jim
TRUCK #	209
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL	10 yds.		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Jim Brownson

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 08-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-683-4964
4. ADDRESS: 7265 Rio Blanco CR9
CITY: Meeker STATE: CO ZIP: 81641
5. PICK-UP DATE: 7-21-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Kuerston
IN CASE OF EMERGENCY CONTACT: Patti Arndt
EMERGENCY PHONE: 970-274-9775

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Jim Brownson
SIGNATURE: [signature] DATE: 7-21-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker CO 81641
PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS
Call Travis.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404762

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7/21/14
BILL TO COMPANY	Chev Ron
COMPANY MAN	Antonio Ruiz
LOCATION	Tiger Ace Proj
TRUCK COMPANY	Kuester Const.
DRIVER	Norm Bradson
TRUCK #	218
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL	10		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: Norm Brad

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 09-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco Cr 9 CITY Meeker STATE CO ZIP 81641	7-21-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 Yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-21-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Kuerston	NAME
IN CASE OF EMERGENCY CONTACT: Patti Arneth	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Norm Brasel	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7/21/16	SIGNATURE DATE

DISPOSAL FACILITY

RNI | ADDRESS: 1300 Penny Drive Meeker CO 81641 | PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-21-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

D 404768

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

DISPOSAL SITES				VOLUME	FOR OFFICE USE ONLY	
					UNIT PRICE	TOTAL
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)				
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER				
❑ ACE	❑ CHAPITA	❑ FLOWBACK	❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)				
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS	❑ CELLARS			
		❑ CEMENT WATER	❑ OTHER			
DATE	7-22-16	**CATEGORY 3** (BBLS)				
BILL TO COMPANY	Chevron	❑ LANDFARM/LAND FILL LIQUIDS				
COMPANY MAN	Tony Ruiz	❑ DRILLING MUD BBLS	❑ OTHER			
LOCATION	Terrace	**CATEGORY 4** (SOLIDS IN YARDS)				
TRUCK COMPANY	LIREE	☑ SOLIDS (IN YARDS)	❑ SOIL	10 yds		
DRIVER	Bo	❑ DRILL CUTTINGS	❑ OTHER			
TRUCK #	108				**Total:**	
TRUCK TICKET #						

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST | NO 12-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco Cr 9	7-22-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HydroCarbon's IMPACT Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Urie Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve URIE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Ron Lyons	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404769

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Urie
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 13- 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970- 683- 4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HYDROCARBON IMPACT SOIL			10 YARDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
TERRACE PROJECT	

TOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
ANTONIO RUIZ		7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME URIE TRUCKING	NAME
IN CASE OF EMERGENCY CONTACT: FLANDRO	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME R... Waters	PRINTED/TYPED NAME
SIGNATURE DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-923-1390

PERMIT NO.	20. COMMENTS
	CALL TRAVIS.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 ~~DISPOSAL~~ SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404770

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	CHEVRON
COMPANY MAN	ANTonio Ruiz
LOCATION	Terrace Project
TRUCK COMPANY	URie
DRIVER	Tuffy
TRUCK #	6
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ❑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 Yrds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Tuffy R. Ulrich

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 11-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco Cr 9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbons Impact Soil			10 Yds.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Trace Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Arie Trucking T+S	NAME
IN CASE OF EMERGENCY CONTACT: Steve Arie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5166	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Taffy L. Sheridan	PRINTED/TYPED NAME
SIGNATURE DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Army Drive Meeker CO 81641	435-823-1390

PERMIT NO.	20. COMMENTS
	Call Travis.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404776

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL	
☒ PICEANCE	☐ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)				
☐ RANGELY	☐ GLEN BENCH-SOUTH	☐ PRODUCTION WATER				
☐ ACE	☐ CHAPITA	☐ FLOWBACK ☐ OTHER				
☐ WONSIT	☐ BLUEBELL	**CATEGORY 2** (BBLS)				
☐ SEEP RIDGE	☐ PLEASANT VALLEY	☐ FLUSH LOADS ☐ CELLARS				
DATE	7-22-16	☐ CEMENT WATER ☐ OTHER				
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)				
COMPANY MAN	Tony Ruiz	☐ LANDFARM/LAND FILL LIQUIDS				
LOCATION	Terrace	☐ DRILLING MUD BBLS ☐ OTHER				
TRUCK COMPANY	Urie	**CATEGORY 4** (SOLIDS IN YARDS)				
DRIVER	Ryan	☒ SOLIDS (IN YARDS) ☐ SOIL	10 yds			
TRUCK #	112	☐ DRILL CUTTINGS ☐ OTHER				
TRUCK TICKET #					**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 17-2016 | 1. PAGE 1 OF | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-683-4964
4. ADDRESS: 7265 Rio Blanco CR 9
CITY: Meeker STATE: CO ZIP: 81641
5. PICK-UP DATE: 7-22-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbons IMPACT Soil			10 YRD.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: GRIE TRUCKING
IN CASE OF EMERGENCY CONTACT: Steve Grie
EMERGENCY PHONE: 970-675-5766

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Bo Lucas
SIGNATURE: [signature] DATE: 7-22-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker CO 81641
PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-22-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404771

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	Justin Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 14-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-22-16
PHONE NO. 970-683-4969	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YDs		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Weldons	NAME
IN CASE OF EMERGENCY CONTACT: [illegible]	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: [illegible]	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7/22	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823 1390
PERMIT NO.	20. COMMENTS: CALL TRAILS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~ [signature]	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 ~~DISPOSAL SITE: COPIES 2~~ TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404778

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	Justin Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 20-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE Co ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P Hydro Carbon Impact Soil			10YRD.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: Weldon	NAME:
IN CASE OF EMERGENCY CONTACT: Main Office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Justin Baumgart	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-22	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker Co 81641	435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404772

DISPOSAL SITES	
❑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiny
LOCATION	Wilson Creek Terrace
TRUCK COMPANY	Kuenster
DRIVER	Wally Ballard
TRUCK #	209
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER		10 Yard	
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Wally Ballard

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 16-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impacted Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Terrace Project	

14. IN CASE OF EMERGENCY OR SPILL, CONTACT

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-361-0097

15. GENERATOR'S CERTIFICATION: I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuerston Patti Arnett	NAME
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Wally Ballard	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1500 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. DISPOSAL FACILITY'S CERTIFICATION: I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~ [signature]	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 — DISPOSAL SITE: COPIES 2 — TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404777

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Wilson creek Terrace
TRUCK COMPANY	Riverston
DRIVER	Jim Brownson
TRUCK #	218
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL		10 yds	
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: Jim Brownson

CUSTOMER SIGNATURE: X

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

K

NON-HAZARDOUS WASTE MANIFEST NO 18-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-683-4964
4. ADDRESS: 7265 Rio Blanco CR 9
CITY: Meeker STATE: CO ZIP: 81641
5. PICK-UP DATE: 7-22-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YRD		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Teeuke Project
13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz
24-HOUR EMERGENCY NO.: 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Kuesten
IN CASE OF EMERGENCY CONTACT: Patti Arnett
EMERGENCY PHONE: 970-274-9775

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: JIM BROWNSON
SIGNATURE: Jim Brownson DATE: 7-22-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker CO 81641
PHONE: 435-923-1390

PERMIT NO.

20. COMMENTS
Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-22-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404779

DISPOSAL SITES	
❑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	~~Foothills Rose~~ Chevron
COMPANY MAN	Tonny Ruiz
LOCATION	Terrace
TRUCK COMPANY	Kuerston
DRIVER	Wally Ballard
TRUCK #	290
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL		10 Yards	
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____ AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____ CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 21-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS			5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9			7-22-16
PHONE NO.	CITY	STATE	ZIP	6.
970-683-4961	Meeker	CO	81641	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			18YRDI		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Kuersten	NAME:
IN CASE OF EMERGENCY CONTACT: Patti Arndt	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Wally Ballard	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-22-16	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1500 Penny Drive Meeker CO 81641	435-823-1300
PERMIT NO.	20. COMMENTS: CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-22-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404773

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Wilson Creek Terrace
TRUCK COMPANY	Kuerston
DRIVER	Jim Brownson
TRUCK #	218
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER			
☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS			
☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS			
☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☐ SOLIDS (IN YARDS) ☐ SOIL		10 yds	
☐ DRILL CUTTINGS ☐ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Jim Brownson

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 1ST-2016 | 1. PAGE 1 OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-22-16
PHONE NO. 970-693-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HYDROCARON IMPACT Soil			10 YRD		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
TERRACE PROJECT	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-6097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
ANTONIO RUIZ		7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME KUCERSTON	NAME
PATTI ARNETT	
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274 9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME JIM BRUNSON	PRINTED/TYPED NAME
SIGNATURE Jim Brunson DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RUI	1300 Penny Drive Meeker CO 81641	435-823 1340
PERMIT NO.	20. COMMENTS: CALL Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D404775

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-12-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Tabor
TRUCK COMPANY	UNTE
DRIVER	Bo
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 19-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-683-4964
4. ADDRESS: 7265 Rio Blanco CR 9
CITY: Meeker STATE: CO ZIP: 81641
5. PICK-UP DATE: 7-22-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbons Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Tecrate Project
13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
24-HOUR EMERGENCY NO. 432-301-0097

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.
Antonio Ruiz

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Urie Trucking
IN CASE OF EMERGENCY CONTACT: Flaine Urie
EMERGENCY PHONE: 675-5766

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan Waters
SIGNATURE: [signature] DATE: 7-22-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker CO 81641
PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS
Call Tiaji.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-22-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404781

DISPOSAL SITES	
☐ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	1-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	URE
DRIVER	Bo Lucas
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☑ SOLIDS (IN YARDS) ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 Yards		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 22-2016 | 1. PAGE 1 OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YRDs		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Tecate Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME UREE TRUCKING	NAME
IN CASE OF EMERGENCY CONTACT: Steve UREE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Bo Lucas	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI | ADDRESS: 1306 Penny Drive Meeker CO 81641 | PHONE: 435-823-1890

PERMIT NO.

20. COMMENTS: CALL TIAST

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404782

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☒ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7-22-16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)			
COMPANY MAN	Tony Ruiz	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Terrace	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	Uric	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Ryan	☒ SOLIDS (IN YARDS) ❑ SOIL	10 yds		
TRUCK #	112	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 23-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco Cag	7-22-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HydroCarbon Impact Soil			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: Urie Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Elaine Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-22-16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1392
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D404783

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7/22/16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon construction
DRIVER	Chris Moak
TRUCK #	252
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ~~❑ OIL~~	10 YARDS		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Chris Moak

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 24-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbons Impact Soil			10 Yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

TRANSPORTER

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon's	NAME:
IN CASE OF EMERGENCY CONTACT: MAIN office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 4357899059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: CHRIS MOAK	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7/22/16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1890
PERMIT NO.	20. COMMENTS: CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404784

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Wilson Creek Terrace
TRUCK COMPANY	Kverston
DRIVER	Jim Brownson
TRUCK #	218
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL		10 yds	
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Jim Brownson

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST | NO 25-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YDS.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terra Protect

13. WASTE PROFILE NO.

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-22-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Kuersten	NAME
IN CASE OF EMERGENCY CONTACT: Pati Arnett	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Jim Brownson	PRINTED/TYPED NAME
SIGNATURE Jim Brownson DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: CALL TRAVIS.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404785

DISPOSAL SITES	
❑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-22-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Willson Creek Tennius
TRUCK COMPANY	Kuensten
DRIVER	Wally Ballard
TRUCK #	296
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER		10 Yards	
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Wally Ballard

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 20-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco Cr 29	7-22-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P Hydrocarbon Impact Soil			10 YRD.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terra Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz | 24-HOUR EMERGENCY NO. 432-301-0099

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE AR | DATE 7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuersten	NAME
IN CASE OF EMERGENCY CONTACT: Pathi Arneh	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Wally Ballard	PRINTED/TYPED NAME
SIGNATURE Wally Ballard DATE 7-22-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Remy Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404786

DISPOSAL SITES					FOR OFFICE USE ONLY	
❑ PICEANCE	❑ GLEN BENCH- NORTH		VOLUME	UNIT PRICE	TOTAL
❑ RANGELY	❑ GLEN BENCH-SOUTH	**CATEGORY 1** (BBLS)			
❑ ACE	❑ CHAPITA	❑ PRODUCTION WATER			
❑ WONSIT	❑ BLUEBELL	❑ FLOWBACK ❑ OTHER			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	**CATEGORY 2** (BBLS)			
DATE	7-22	❑ FLUSH LOADS ❑ CELLARS			1
BILL TO COMPANY	Chevron	❑ CEMENT WATER ❑ OTHER			
COMPANY MAN	Tony Ruiz	**CATEGORY 3** (BBLS)			
LOCATION	Terrace	❑ LANDFARM/LAND FILL LIQUIDS			
TRUCK COMPANY	weldon	❑ DRILLING MUD BBLS ❑ OTHER			
DRIVER	Justin Baumgartner	**CATEGORY 4** (SOLIDS IN YARDS)			
TRUCK #	250	☒ SOLIDS (IN YARDS) ❑ SOIL	10 yds		
TRUCK TICKET #		❑ DRILL CUTTINGS ❑ OTHER			
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 26-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-22-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. 6 cy Hydrocarbon Impact Soil			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-22-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon's	NAME:
IN CASE OF EMERGENCY CONTACT: Main Office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Justin Baumgartner	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-22	SIGNATURE: DATE:

DISPOSAL FACILITY

RUI | ADDRESS: 1300 Penny Drive Meeker CO 81641 | PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS: Call Travis.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404790

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7/25/16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Welden Const
DRIVER	Chris Moak
TRUCK #	252
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ☑ SOIL	10 yards		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Chris Moak

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 30-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 4	7-25-16
PHONE NO. 970-683-4964	CITY Meeker STATE Co ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. Exempt Hydrocarbon Impacted Soil			10 YARDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Tenant Improvement Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Wilson Construction	NAME:
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Chris Monk	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7/25/16	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker Co 81641	435-823-1190
PERMIT NO.	20. COMMENTS: CALL TIAJ.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404792

DISPOSAL SITES	
❑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tonny Ruiz
LOCATION	Ternius
TRUCK COMPANY	Knersten
DRIVER	Wally Ballard
TRUCK #	296
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL		10 Yards	
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Wally Ballard

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 27-7116 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	6. 7-27-16
PHONE NO. 970-693-4964	CITY Meeker STATE CO ZIP 81641	

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** 24-HOUR EMERGENCY NO.

Antonio Ruiz 427-3[illegible]

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-27-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuston	NAME
IN CASE OF EMERGENCY CONTACT: PAH; Arnett	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-374-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Daily Ballard	PRINTED/TYPED NAME Daily Ballard
SIGNATURE [signature] DATE 7-27-16	SIGNATURE [signature] DATE 7-27-16

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404793

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	~~Bonanza~~ Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	Justin Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ☑ SOIL	10 yds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 29-2016 | 1. PAGE 1 OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-693-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E+P Impacted Soil Hydrocarbon			10 yds		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terra Point

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon	NAME:
IN CASE OF EMERGENCY CONTACT: Main Office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Justin Rasmussen	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-25	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS	PHONE
RNI	300 Penrod Drive Meeker Co 81641	435-878-1870

PERMIT NO.

20. COMMENTS: CALL TRAN.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404794

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7/25/16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)			
COMPANY MAN	Antonio Ruiz	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Peroace pad	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	Kuester	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Norm Brad	❑ SOLIDS (IN YARDS) ❑ SOIL	10		
TRUCK #	218	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #					
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Norm Brad

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 31 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-693-4964

4. ADDRESS: 7265 Rio Blanco
CITY: Meeker STATE: Co ZIP: 81641

5. PICK-UP DATE: 7-25-16

6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydro Carbon Impacted Soil			10 yds.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Texas Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-25-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Kuesten
IN CASE OF EMERGENCY CONTACT: Pat Arndt
EMERGENCY PHONE: 970-274-9775

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Norm Sinden
SIGNATURE: [signature] DATE: 7/25/16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI

ADDRESS: 1300 Penny Drive
Meeker Co 81641

PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS
Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404795

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Unit
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS) ☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS) ☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ☐ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 028 - 2016 | 1. PAGE 1 OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME: Wilson Creek
PHONE NO.: 970-693-4964
4. ADDRESS: 7265 Rio Blanco, Cnty
CITY: Meeker STATE: Co ZIP: 81641
5. PICK-UP DATE: 7-25-16
6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impacted Soil			10 yds.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Texas Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz 432-301-0017 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz
SIGNATURE: [signature] DATE: 7-25-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Ruiz Trucking
IN CASE OF EMERGENCY CONTACT: Elaine Ruiz
EMERGENCY PHONE: 675-5766

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan Wilson
SIGNATURE: [signature] DATE: 7-25-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: ___
SIGNATURE: ___ DATE: ___

DISPOSAL FACILITY

RNI
ADDRESS: 1300 Penny Drive Meeker Co 81641
PHONE: 435-823-1370

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404796

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL	
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)				
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER				
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER				
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)				
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS				
DATE	1-25-16	❑ CEMENT WATER ❑ OTHER				
BILL TO COMPANY	[redacted] Chevron	**CATEGORY 3** (BBLS)				
COMPANY MAN	Tony Ruiz	❑ LANDFARM/LAND FILL LIQUIDS				
LOCATION	Terrace	❑ DRILLING MUD BBLS ❑ OTHER				
TRUCK COMPANY	URIE	**CATEGORY 4** (SOLIDS IN YARDS)				
DRIVER	Bo	☑ SOLIDS (IN YARDS) ❑ SOIL	10 YDS			
TRUCK #	108	❑ DRILL CUTTINGS ❑ OTHER				
TRUCK TICKET #					**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

EMC on behalf of MCBU

NON-HAZARDOUS WASTE MANIFEST NO. EMC 0221-16 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-25-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. E&P Impacted Soil (Hydrocarbon)			10YRD		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Texas Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

	24-HOUR EMERGENCY NO.
Antonio Ruiz	432-301-0097

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME URIE TRUCKING	NAME
IN CASE OF EMERGENCY CONTACT: Steve URIE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Ro Lucas	PRINTED/TYPED NAME
SIGNATURE DATE 7-25-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390

PERMIT NO.	20. COMMENTS
	Call Tuna.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-25-16	

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404798

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-12
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	J. Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ☒ SOIL	10 yds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 35-2016 | 1. PAGE 1 OF | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

	7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a.	C&P Hydrocarbon Impact Soil			10 YDS		
b.						
c.						
d.						

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 (24-HOUR EMERGENCY NO.)

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon's	NAME:
IN CASE OF EMERGENCY CONTACT: Main Office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Justin Baumgart	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-25	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: CALL TRAVIS.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]	7-25-16		

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404801

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Perrace
TRUCK COMPANY	Uric
DRIVER	Ryan
TRUCK #	12
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 33-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson CREEK PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. EAP Hydrocarbon Impact Soil			10 YRD		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** — 24-HOUR EMERGENCY NO.
Antonio Ruiz 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Urie Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Steve Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan Waters	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-23-16	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-923-1390
PERMIT NO.	20. COMMENTS: CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-25-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404804

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Tait
LOCATION	Terrace
TRUCK COMPANY	URE
DRIVER	Bo
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☑ SOLIDS (IN YARDS) ❑ SOIL	10 yds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 34-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-693-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. G&P Hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** — 24-HOUR EMERGENCY NO.
Antonio Ruiz 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE | DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Ute Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve Ute	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Dolleras	PRINTED/TYPED NAME
SIGNATURE DATE 7-25-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	800 Penny Drive Meeker CO 81641	435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404805

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Uric
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 41 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HYDROCARBON IMPACT SOIL			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE Project

13. WASTE PROFILE NO.

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**
Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-25-16

TRANSPORTERS

16. **TRANSPORTER (1)**
NAME: Uric Trucking
IN CASE OF EMERGENCY CONTACT: Steve Uric
EMERGENCY PHONE: 970-675-5766

17. **TRANSPORTER (2)**
NAME:
IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE:

18. **TRANSPORTER** (1): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan Waters
SIGNATURE: [signature] DATE: 7-25-16

19. **TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME:
SIGNATURE: DATE:

DISPOSAL FACILITY

RNI | ADDRESS: 1300 Penny Drive, Meeker CO 81641 | PHONE: 435-823-1390

PERMIT NO.

20. COMMENTS: CALL TRAVIS.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~ [signature] | CELL NO. | DATE | TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404797

DISPOSAL SITES	
☑ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7/25/16
BILL TO COMPANY	Chevron
COMPANY MAN	TONY Ruiz
LOCATION	Fernie
TRUCK COMPANY	Weldon Construction
DRIVER	Chris Mork
TRUCK #	252
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS) ☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS) ☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☐ SOLIDS (IN YARDS) ☑ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10.00		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 36-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Weldon Creek PHONE NO. 970-693-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydro Carbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon	NAME:
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Chris Moak	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE 7/25/16	SIGNATURE: DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-25-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404806

DISPOSAL SITES	
☑ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7/25/16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon Construction
DRIVER	Chris Moak
TRUCK #	252
TRUCK TICKET #	

	FOR OFFICE USE ONLY		
	VOLUME	UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☐ SOLIDS (IN YARDS) ☑ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 42 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-633-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YARDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz — SIGNATURE: [signature] — DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon's	NAME:
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: CHRIS MOAIC	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE 7/25/16	SIGNATURE: DATE

DISPOSAL FACILITY

RNI — ADDRESS: 1300 Penny Drive Meeker CO 81641 — PHONE: 435-923-1390

PERMIT NO.

20. COMMENTS: CALL TRAVIS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 — DISPOSAL SITE: COPIES 2 — TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404807

DISPOSAL SITES					FOR OFFICE USE ONLY	
☒ PRICEANCE	❑ GLEN BENCH- NORTH		VOLUME	UNIT PRICE	TOTAL	
❑ RANGELY	❑ GLEN BENCH-SOUTH	**CATEGORY 1** (BBLS)				
❑ ACE	❑ CHAPITA	❑ PRODUCTION WATER				
❑ WONSIT	❑ BLUEBELL	❑ FLOWBACK ❑ OTHER				
❑ SEEP RIDGE	❑ PLEASANT VALLEY	**CATEGORY 2** (BBLS)				
DATE	7-25-16	❑ FLUSH LOADS ❑ CELLARS				
BILL TO COMPANY	Chevron	❑ CEMENT WATER ❑ OTHER				
COMPANY MAN	Tony Ruiz	**CATEGORY 3** (BBLS)				
LOCATION	Terrace	❑ LANDFARM/LAND FILL LIQUIDS				
TRUCK COMPANY	Weldon	❑ DRILLING MUD BBLS ❑ OTHER				
DRIVER	J. Baumgartner	**CATEGORY 4** (SOLIDS IN YARDS)				
TRUCK #	250	❑ SOLIDS (IN YARDS) ☒ SOIL	10 yds			
TRUCK TICKET #		❑ DRILL CUTTINGS ❑ OTHER				
					Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 43-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK	7265 Rio Blanco CR 9	7-25-16
PHONE NO. 970-693-4964	CITY Meeker STATE Co ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P HYDROCARBON IMPACT SOIL			10 YARDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Terrace Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 — 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz	[signature]	7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Weldons	NAME
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Justin Rasmgartner	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-25	SIGNATURE DATE

DISPOSAL FACILITY

FACILITY	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404799

DISPOSAL SITES	
❑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tonny Ruiz
LOCATION	Teahis
TRUCK COMPANY	Kunesten
DRIVER	Wally Ballard
TRUCK #	290
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL		10 Yards	
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Wally Ballard

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 38-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME / PHONE NO.	4. ADDRESS / CITY / STATE / ZIP	5. PICK-UP DATE / 6.
Wilson Creek 970-693-4964	7265 Rio Blanco CR9 Meeker Co 81641	7-25-16

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Kuersten	NAME:
IN CASE OF EMERGENCY CONTACT: PATI Arnett	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Wally Ballard	PRINTED/TYPED NAME: Wally Ballard
SIGNATURE: [signature] DATE: 7-25-16	SIGNATURE: [signature] DATE: 7-25-16

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker Co 81641	435-823-1390

PERMIT NO.

20. COMMENTS: CALL TRAVIS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-25-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

P 404800

DISPOSAL SITES					FOR OFFICE USE ONLY	
❑ PICEANCE	❑ GLEN BENCH- NORTH		VOLUME	UNIT PRICE	TOTAL
❑ RANGELY	❑ GLEN BENCH-SOUTH	**CATEGORY 1** (BBLS)			
❑ ACE	❑ CHAPITA	❑ PRODUCTION WATER			
❑ WONSIT	❑ BLUEBELL	❑ FLOWBACK ❑ OTHER			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	**CATEGORY 2** (BBLS)			
DATE	7/28/16	❑ FLUSH LOADS ❑ CELLARS			
BILL TO COMPANY	[illegible]	❑ CEMENT WATER ❑ OTHER			
COMPANY MAN	Antonio Ruez	**CATEGORY 3** (BBLS)			
LOCATION	Terrence Pad	❑ LANDFARM/LAND FILL LIQUIDS			
TRUCK COMPANY	Buenton	❑ DRILLING MUD BBLS ❑ OTHER			
DRIVER	Manny Beard	**CATEGORY 4** (SOLIDS IN YARDS)	10		
TRUCK #	218	❑ SOLIDS (IN YARDS) ❑ SOIL			
TRUCK TICKET #		❑ DRILL CUTTINGS ❑ OTHER			
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Manny Beard

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 37-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 yds		
b.					
c.					
d.					

TRANSPORTER

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Terrace Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz	[signature]	7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuersten	NAME
IN CASE OF EMERGENCY CONTACT: Patti Arnett	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Norm Bradley	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7/25/16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390

PERMIT NO.	20. COMMENTS
	Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-25-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404808

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7/25/16
BILL TO COMPANY	Ole Rott
COMPANY MAN	Antonio Ruiz
LOCATION	Terrace Prod
TRUCK COMPANY	Kuester Const.
DRIVER	Morin Brad
TRUCK #	218
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL	10		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Morin Brad

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 40-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR9 CITY Meeker STATE CO ZIP 81641	7-25-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P HYDROCARBON IMPACTED SOIL			10 YARDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
TERRACE Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz	A Ruiz	7-25-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuerster	NAME
IN CASE OF EMERGENCY CONTACT: Pati Arnett	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7/25/16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: 1300 Penny Drive	PHONE:
RNI	Meeker CO 81641	435-823-1390
PERMIT NO.	20. COMMENTS	
	CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404809

DISPOSAL SITES	
❑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-25-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Ferron
TRUCK COMPANY	Knerston
DRIVER	Wally Ballard
TRUCK #	298
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER		10 Yards	
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Wally Ballard

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 39. 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR9	7-25-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Impact Soil (Hydrocarbon)			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Teenace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-25-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME KUFSTEN	NAME
IN CASE OF EMERGENCY CONTACT: Pati Arneth	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Wally Ballard	PRINTED/TYPED NAME
SIGNATURE Wally Ballard DATE 7-25-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404019

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	UNIT
DRIVER	Bo
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☑ SOLIDS (IN YARDS) ❑ SOIL	10 yrd		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 44 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK PHONE NO. 970-693-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 YRDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 (24-HOUR EMERGENCY NO.)

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME URIE Truckins	NAME
IN CASE OF EMERGENCY CONTACT: Steve URIE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Bo Lilly	PRINTED/TYPED NAME
SIGNATURE DATE 7-26-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390

PERMIT NO.	20. COMMENTS
	Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D404022

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Urie
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 45-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR9 CITY Meeker STATE CO ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. EOP Impact Soil (Hydrocarbon)			10 yrd		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-26-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Ruiz Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Flavia Ruiz	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Ryan Waters	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-26-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-878-1390
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404029

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☐ PICEANCE	☐ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
☐ RANGELY	☐ GLEN BENCH-SOUTH	☐ PRODUCTION WATER			
☐ ACE	☐ CHAPITA	☐ FLOWBACK ☐ OTHER			
☐ WONSIT	☐ BLUEBELL	**CATEGORY 2** (BBLS)			
☐ SEEP RIDGE	☐ PLEASANT VALLEY	☐ FLUSH LOADS ☐ CELLARS			
DATE	7-26-16	☐ CEMENT WATER ☐ OTHER			
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)			
COMPANY MAN	Tony Ruiz	☐ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Terrace	☐ DRILLING MUD BBLS ☐ OTHER			
TRUCK COMPANY	CREE	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Bo	☐ SOLIDS (IN YARDS) ☐ SOIL	10 yds		
TRUCK #	108	☐ DRILL CUTTINGS ☐ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 53-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco Cty	7-26-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. EAP Hydrocarbon Impact Soil			10 YDS.		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Teepee Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE | DATE: 7-25-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Ute Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Elaine Ute	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-26-16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-835-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

0404030

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Unit
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ❑ SOIL	10 yds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST | NO 52-2016 | 1. PAGE ___ OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK	7265 RIO BLANCO CR 9	7-26-16
PHONE NO. 970-683-4964	CITY MEEKER STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P HYDROCARBON IMPACT SOIL			10YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE PROJECT

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: ANTONIO RUIZ — SIGNATURE — DATE 7-26-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME URIE TRUCKING	NAME
IN CASE OF EMERGENCY CONTACT: STEVE URIE	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE — DATE 7-26-16	SIGNATURE — DATE

DISPOSAL FACILITY

RN1	ADDRESS: 1300 PENNY DRIVE MEEKER CO 81641	PHONE: 435-823-1330
PERMIT NO.	20. COMMENTS: CALL TIM D	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 — DISPOSAL SITE: COPIES 2 — TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

Ð 404020

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7/26/16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	CHEVRON	**CATEGORY 3** (BBLS)			
COMPANY MAN	TONY RUIZ	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Terrace	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	Weldon Construction	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Chris Moak	❑ SOLIDS (IN YARDS) ☑ SOIL	10 YARDS	1	
TRUCK #	252	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 47 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek.	7265 Rio Blanco CR 9	7-26-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impacted Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Tank Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432 301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Weldon Rent	NAME
IN CASE OF EMERGENCY CONTACT:	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9055	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME CHRIS MOORE	PRINTED/TYPED NAME
SIGNATURE DATE 7/26/16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: 1300 Penny Drive	PHONE:
RNI	Meeker CO 81641	432-835-1390
PERMIT NO.	20. COMMENTS	
	Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404021

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	J. Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ☑ SOIL	10 Yds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: J. Baumgartner

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 4/6 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR 9	7-26-16
PHONE NO. 970-693-4964	CITY Meeker STATE Co ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P Hydrocarbon Impact Soil			10 yds		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Torrey Project	

TOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

	24-HOUR EMERGENCY NO.
Antonio Ruiz	432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz		726-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME weldon	NAME
IN CASE OF EMERGENCY CONTACT: Main Office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Justin Baumgart	PRINTED/TYPED NAME
SIGNATURE	SIGNATURE
DATE 7-26	DATE

DISPOSAL FACILITY

	ADDRESS: 1300 Piceance Dr	PHONE:
RNF	Meeker Co 81641	455-923-1391
PERMIT NO.	20. COMMENTS	
	CAT Tanks	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404027

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	J. Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER ☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS ☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS ☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☐ SOLIDS (IN YARDS) ☒ SOIL ☐ DRILL CUTTINGS ☐ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 54-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-693-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 yrs		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terra Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon	NAME:
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-7059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Justin Baumgartner	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-26	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-835-7395
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]			

GENERATOR: COPIES 1 | DISPOSAL SITE: COPIES 2 | TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404028

DISPOSAL SITES	
☑ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7/20/16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Fernie
TRUCK COMPANY	Weldon Construction
DRIVER	Chris Moak
TRUCK #	252
TRUCK TICKET #	

			FOR OFFICE USE ONLY	
		VOLUME	UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)				
☐ PRODUCTION WATER				
☐ FLOWBACK	☐ OTHER			
CATEGORY 2 (BBLS)				
☐ FLUSH LOADS	☐ CELLARS			
☐ CEMENT WATER	☐ OTHER			
CATEGORY 3 (BBLS)				
☐ LANDFARM/LAND FILL LIQUIDS				
☐ DRILLING MUD BBLS	☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)				
☐ SOLIDS (IN YARDS)	☑ SOIL	10 YDS		
☐ DRILL CUTTINGS	☐ OTHER			
			Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 55 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME / PHONE NO.	4. ADDRESS / CITY / STATE / ZIP	5. PICK-UP DATE / 6.
Wilson Creek 970-683-4964	7265 Rio Blanco Cr 9 Meeker CO 81641	7-26-16

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. G & P Hydrocarbon Impact Soil			10 YRD		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Teague Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** — 24-HOUR EMERGENCY NO.
Antonio Ruiz 432-301-0097

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE | DATE: 7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME: Weldon	NAME:
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435 789 9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Chris Moak	PRINTED/TYPED NAME:
SIGNATURE: Chris Moak DATE: 7/26/16	SIGNATURE: DATE:

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-835-1390

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404023

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7/26/16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)			
COMPANY MAN	Antonio Ruiz	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Texas Project	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	Kuentz	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Adam Bradeen	❑ SOLIDS (IN YARDS) ❑ SOIL	10		
TRUCK #	218	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #					
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Adam Bradeen

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 48-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7565 Rio Blanco CR 9	7-26-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. G&P Hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS:	13. WASTE PROFILE NO.
Texas Project	

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432 301-0097 — 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuehsten	NAME
IN CASE OF EMERGENCY CONTACT: PAT ARNOLD	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME [illegible]	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7/26/16	SIGNATURE DATE

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker CO 81641	PHONE: 435-823-1390
PERMIT NO.	20. COMMENTS: Call Travis	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE [signature]	CELL NO.	DATE 7-26-16	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404024

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Wilson Creek Terrace
TRUCK COMPANY	Kuenston
DRIVER	Jim Brownson
TRUCK #	209
TRUCK TICKET #	49-2016 Chevron MCA

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS) ❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS) ❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS) ❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS) ❑ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER		10 yds.	
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: Jim Brownson

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 49-2016 | 1. PAGE 1 OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-693-4964	7205 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impacted Soil			10 yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Tenaha Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuerstan	NAME
IN CASE OF EMERGENCY CONTACT: Pat Arndt	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9771	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Jim Brownson	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-26-16	SIGNATURE DATE

DISPOSAL FACILITY

FACILITY	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker, CO 81641	435-923-1393

PERMIT NO.

20. COMMENTS: Call Travis

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404031

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7/26/16	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	Chevron	**CATEGORY 3** (BBLS)			
COMPANY MAN	Ruiz	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Fentress Pad	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	Questar	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	Noam Bratton	❑ SOLIDS (IN YARDS) ❑ SOIL	10		
TRUCK #	218	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #					
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Noam Bratton

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 51 - 2016 | 1. PAGE ___ OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK	7265 RIO BLANCO CR 9	7-26-16
PHONE NO. 970-683-4964	CITY MEEKER STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&F HYDROCARBON IMPACT SOIL			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE PROJECT

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: ANTONIO RUIZ | SIGNATURE | DATE: 7-26-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME KUERSTEN CONSTRUCTION	NAME
IN CASE OF EMERGENCY CONTACT: PATTI AVANTS	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Norm Kuersten	PRINTED/TYPED NAME
SIGNATURE DATE 7/26/16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: 13874 TERRY DRIVE	PHONE: 435-823-1390
ENI	MEEKER CO 81641	

PERMIT NO.	20. COMMENTS
	CALL TRAVIS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404032

DISPOSAL SITES	
[X] PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Wilson Creek Terrace
TRUCK COMPANY	Kuerston
DRIVER	Jim Brownson
TRUCK #	209
TRUCK TICKET #	50-2016

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
❑ SOLIDS (IN YARDS) ❑ SOIL		10 yds.	
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Jim Brownson

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 50-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK	7265 RIO BLANCO CR 9	7-26-16
PHONE NO. 970-683-4964	CITY MEEKER STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P HYDROCARBON IMPACT SOIL			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: TERRACE PROJECT

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

ANTONIO RUIZ — 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: ANTONIO RUIZ | SIGNATURE | DATE: 7-26-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME KIEFNER CONSTRUCTION	NAME
IN CASE OF EMERGENCY CONTACT: PATTI ARNETT	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9775	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME JIM BROWNSON	PRINTED/TYPED NAME
SIGNATURE Jim Brownson DATE 7-26-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: 1300 PENNY DRIVE	PHONE: 435-823-1390
ENI	MEEKER CO 81641	
PERMIT NO.	20. COMMENTS: CALL TRAVIS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

~~AUTHORIZED SIGNATURE~~	CELL NO.	DATE	TIME
		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404033

DISPOSAL SITES	
☑ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	URTE
DRIVER	Bo
TRUCK #	108
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER			
❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS			
❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS			
❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☑ SOLIDS (IN YARDS) ❑ SOIL	10 Yds		
❑ DRILL CUTTINGS ❑ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 56-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco Rd 9	7-26-16
PHONE NO. 970-683-4964	CITY Meeker STATE CO ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. G&P Hydrocarbon Impact 5.11			10 yds		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** Antonio Ruiz 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME	SIGNATURE	DATE
Antonio Ruiz	[signature]	7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Urie Trucking	NAME
IN CASE OF EMERGENCY CONTACT: Steve Urie	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Jo Lucas	PRINTED/TYPED NAME
SIGNATURE [signature] DATE 7-26-16	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-135
PERMIT NO.	20. COMMENTS (All Trans)	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404035

DISPOSAL SITES	
☒ PICEANCE	❑ GLEN BENCH- NORTH
❑ RANGELY	❑ GLEN BENCH-SOUTH
❑ ACE	❑ CHAPITA
❑ WONSIT	❑ BLUEBELL
❑ SEEP RIDGE	❑ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Ute
DRIVER	Ryan
TRUCK #	112
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
❑ PRODUCTION WATER ❑ FLOWBACK ❑ OTHER			
CATEGORY 2 (BBLS)			
❑ FLUSH LOADS ❑ CELLARS ❑ CEMENT WATER ❑ OTHER			
CATEGORY 3 (BBLS)			
❑ LANDFARM/LAND FILL LIQUIDS ❑ DRILLING MUD BBLS ❑ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☒ SOLIDS (IN YARDS) ❑ SOIL ❑ DRILL CUTTINGS ❑ OTHER	10 yds		
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 57-2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P Hydrocarbon Impact Soil			10 YDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0997 24-HOUR EMERGENCY NO.

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE | DATE: 7-26-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: Ulve Trucking	NAME:
IN CASE OF EMERGENCY CONTACT: Steve Ulve	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-675-5766	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: Ryan Waters	PRINTED/TYPED NAME:
SIGNATURE	DATE: 7-26-16	SIGNATURE	DATE

DISPOSAL FACILITY

	ADDRESS:	PHONE:
RNI	1300 Penny Drive Meeker CO 81641	435-823-1390

PERMIT NO.

20. COMMENTS: CALL TRAVIS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404034

DISPOSAL SITES	
☒ PICEANCE	☐ GLEN BENCH- NORTH
☐ RANGELY	☐ GLEN BENCH-SOUTH
☐ ACE	☐ CHAPITA
☐ WONSIT	☐ BLUEBELL
☐ SEEP RIDGE	☐ PLEASANT VALLEY

DATE	7-26-16
BILL TO COMPANY	Chevron
COMPANY MAN	Tony Ruiz
LOCATION	Terrace
TRUCK COMPANY	Weldon
DRIVER	J. Baumgartner
TRUCK #	250
TRUCK TICKET #	

	VOLUME	FOR OFFICE USE ONLY UNIT PRICE	TOTAL
CATEGORY 1 (BBLS)			
☐ PRODUCTION WATER			
☐ FLOWBACK ☐ OTHER			
CATEGORY 2 (BBLS)			
☐ FLUSH LOADS ☐ CELLARS			
☐ CEMENT WATER ☐ OTHER			
CATEGORY 3 (BBLS)			
☐ LANDFARM/LAND FILL LIQUIDS			
☐ DRILLING MUD BBLS ☐ OTHER			
CATEGORY 4 (SOLIDS IN YARDS)			
☐ SOLIDS (IN YARDS) ☒ SOIL	3 yds		
☐ DRILL CUTTINGS ☐ OTHER			
		Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: _____

CUSTOMER SIGNATURE: _____

AFE/WO# _____

USER# _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 60 - 2016 | 1. PAGE 1 OF | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek PHONE NO. 970-693-4964	7265 Rio Blanco CR 9 CITY Meeker STATE Co ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E & P HYDROCARBON IMPACT SOIL			10 yards		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

GENERATOR

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz | 24-HOUR EMERGENCY NO. 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE: [signature] | DATE: 7-26-16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME: Weldon	NAME:
IN CASE OF EMERGENCY CONTACT: main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-9054	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME: J. Baumgartner	PRINTED/TYPED NAME:
SIGNATURE: [signature] DATE: 7-26	SIGNATURE: DATE:

DISPOSAL FACILITY

RNI	ADDRESS: 1300 Penny Drive Meeker Co 81641	PHONE: 435-923-1395
PERMIT NO.	20. COMMENTS: Call Travis.	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404036

DISPOSAL SITES					FOR OFFICE USE ONLY	
			VOLUME	UNIT PRICE	TOTAL
☑ PICEANCE	❑ GLEN BENCH- NORTH	**CATEGORY 1** (BBLS)			
❑ RANGELY	❑ GLEN BENCH-SOUTH	❑ PRODUCTION WATER			
❑ ACE	❑ CHAPITA	❑ FLOWBACK ❑ OTHER			
❑ WONSIT	❑ BLUEBELL	**CATEGORY 2** (BBLS)			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	❑ FLUSH LOADS ❑ CELLARS			
DATE	7/26/ICE	❑ CEMENT WATER ❑ OTHER			
BILL TO COMPANY	CHEVRON	**CATEGORY 3** (BBLS)			
COMPANY MAN	TONY RUIZ	❑ LANDFARM/LAND FILL LIQUIDS			
LOCATION	Ferron	❑ DRILLING MUD BBLS ❑ OTHER			
TRUCK COMPANY	Gorgeweldon Const	**CATEGORY 4** (SOLIDS IN YARDS)			
DRIVER	CHRIS MOAK	❑ SOLIDS (IN YARDS) ☑ SOIL	10 YARDS		
TRUCK #	252	❑ DRILL CUTTINGS ❑ OTHER			
TRUCK TICKET #				**Total:**	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Chris Moak

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 58 - 2016 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Wilson Creek	7265 Rio Blanco CR9	7-26-16
PHONE NO. 970-683-4964	CITY Meeker STATE Co ZIP 81641	6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E+P Hydrocarbon Impact Soil			10 YARDS		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Terrace Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** — 24-HOUR EMERGENCY NO.

Antonio Ruiz 432-301-0097

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME: Antonio Ruiz | SIGNATURE | DATE: 7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Weldon	NAME
IN CASE OF EMERGENCY CONTACT: Main office	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 435-789-9059	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Chris Mark	PRINTED/TYPED NAME
SIGNATURE Chris Mark DATE 7/26/16	SIGNATURE DATE

DISPOSAL FACILITY

RNI | ADDRESS: 1300 Penny Drive Meeker Co 81641 | PHONE: 435-923-1390

PERMIT NO.

20. COMMENTS: CALL TRAVIS

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404037

DISPOSAL SITES					FOR OFFICE USE ONLY	
❑ PICEANCE	❑ GLEN BENCH- NORTH		VOLUME	UNIT PRICE	TOTAL
❑ RANGELY	❑ GLEN BENCH-SOUTH	**CATEGORY 1** (BBLS)			
❑ ACE	❑ CHAPITA	❑ PRODUCTION WATER			
❑ WONSIT	❑ BLUEBELL	❑ FLOWBACK ❑ OTHER			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	**CATEGORY 2** (BBLS)			
DATE	7/24/16	❑ FLUSH LOADS ❑ CELLARS			
BILL TO COMPANY	Chevron	❑ CEMENT WATER ❑ OTHER			
COMPANY MAN	Ruiz	**CATEGORY 3** (BBLS)			
LOCATION	Terrace Prof	❑ LANDFARM/LAND FILL LIQUIDS			
TRUCK COMPANY	Kuester	❑ DRILLING MUD BBLS ❑ OTHER			
DRIVER	Norm Bradson	**CATEGORY 4** (SOLIDS IN YARDS)			
TRUCK #	218	❑ SOLIDS (IN YARDS) ❑ SOIL	10		
TRUCK TICKET #		❑ DRILL CUTTINGS ❑ OTHER			
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Norm Bradson

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCA

NON-HAZARDOUS WASTE MANIFEST NO 59-2016 | 1. PAGE ___ OF ___ | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
WILSON CREEK PHONE NO. 970-683-4964	7265 Rio Blanco CR 9 CITY Meeker STATE CO ZIP 81641	7-26-16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	8. CONTAINERS Type	9. TOTAL QUANTITY	10. UNIT Wt/Vol.	11.
a. E&P Hydrocarbon Impact Soil			10 yds		
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: Transfer Project

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT**

Antonio Ruiz 432-301-0097 (24-HOUR EMERGENCY NO.)

GENERATOR

15. **GENERATOR'S CERTIFICATION:** I Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Antonio Ruiz | SIGNATURE [signature] | DATE 7-26-16

TRANSPORTERS

16. TRANSPORTER (1)	17. TRANSPORTER (2)
NAME Kuerston	NAME
IN CASE OF EMERGENCY CONTACT: PAT Monk	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-274-9975	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME	PRINTED/TYPED NAME
SIGNATURE DATE	SIGNATURE DATE

DISPOSAL FACILITY

	ADDRESS: 1300 Penny Drive	PHONE:
RNI	Meeker CO 81641	435-823-1390

PERMIT NO.

20. COMMENTS: Call Travis.

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
[signature]		7-26-16	

GENERATOR: COPIES 1 DISPOSAL SITE: COPIES 2 TRANSPORTERS: COPIES 3

WATER DISPOSAL TICKET

RN INDUSTRIES
P.O. BOX 98 • ROOSEVELT, UT 84066
OFFICE: 435-722-2800

D 404060

DISPOSAL SITES					FOR OFFICE USE ONLY	
❑ PICEANCE	❑ GLEN BENCH- NORTH		VOLUME	UNIT PRICE	TOTAL
❑ RANGELY	❑ GLEN BENCH-SOUTH	**CATEGORY 1** (BBLS)			
❑ ACE	❑ CHAPITA	❑ PRODUCTION WATER			
❑ WONSIT	❑ BLUEBELL	❑ FLOWBACK ❑ OTHER			
❑ SEEP RIDGE	❑ PLEASANT VALLEY	**CATEGORY 2** (BBLS)			
DATE	7-29-16	❑ FLUSH LOADS ❑ CELLARS			
BILL TO COMPANY	Chevron	❑ CEMENT WATER ❑ OTHER			
COMPANY MAN	Mark Sage	**CATEGORY 3** (BBLS)			
LOCATION	RNI Terrace disposal	❑ LANDFARM/LAND FILL LIQUIDS			
TRUCK COMPANY	Kuerston	❑ DRILLING MUD BBLS ❑ OTHER			
DRIVER	Wally Ballard	**CATEGORY 4** (SOLIDS IN YARDS)			
TRUCK #	218	❑ SOLIDS (IN YARDS) ❑ SOIL		11 Yards	
TRUCK TICKET #		❑ DRILL CUTTINGS ❑ OTHER			
				Total:	

IF OTHER PLEASE SPECIFY: _____

COMMENTS: _____

_____

_____

DRIVER SIGNATURE: Wally Ballard

AFE/WO# _____

USER# _____

CUSTOMER SIGNATURE: _____

CODE# _____

ALL FIELDS MUST BE COMPLETED ENTIRELY: TICKETS MISSING INFORMATION WILL BE BILLED BACK TO THE HAULING COMPANY. APPROVAL FOR BILLING THE HAULING COMPANY WILL COME FROM THE SIGNATURE OF THE DRIVER DELIVERING THE LOAD. **DRIVERS:** IF YOU ARE NOT GIVEN ALL THE INFORMATION ABOVE. PLEASE CONTACT YOUR DISPATCHER. **DO NOT** LEAVE FIELDS BLANK.

CHEVRON
MCBU

~~EMC~~

NON-HAZARDOUS WASTE MANIFEST | NO. EMC 0326 - 1 | 1. PAGE 1 OF 1 | 2. TRAILER NO.

GENERATOR

3. COMPANY NAME	4. ADDRESS	5. PICK-UP DATE
Chevron USA PHONE NO. 970-683-4963	7265 RBC Rd 9 CITY Wreker STATE Co ZIP 81641	7/29/16 6.

7. NAME OR DESCRIPTION OF WASTE SHIPPED:	8. CONTAINERS No.	Type	9. TOTAL QUANTITY	10. UNIT WT/Vol.	11.
a. Impacted Dirt	1	truck	8	yds	
b.					
c.					
d.					

12. COMMENTS OR SPECIAL INSTRUCTIONS: ~~Return to Chevron~~ Please send Signed Copy Back to Chevron

13. WASTE PROFILE NO.

14. **IN CASE OF EMERGENCY OR SPILL, CONTACT** 24-HOUR EMERGENCY NO.

Richard Gubbs 970 257-6021

15. **GENERATOR'S CERTIFICATION:** Hereby declare that the contents of this consignment are fully and accurately described above.

PRINTED TYPED NAME Mark Sage | SIGNATURE | DATE 7/29/16

TRANSPORTERS

16. **TRANSPORTER (1)**	17. **TRANSPORTER (2)**
NAME Kuerston	NAME
IN CASE OF EMERGENCY CONTACT: ~~Tim~~ Andrew K.	IN CASE OF EMERGENCY CONTACT:
EMERGENCY PHONE: 970-618-7971	EMERGENCY PHONE:
18. TRANSPORTER (1): Acknowledgment of receipt of material	**19. TRANSPORTER** (2): Acknowledgment of receipt of material
PRINTED/TYPED NAME Wally Ballard	PRINTED/TYPED NAME
SIGNATURE Wally Ballard DATE 7-29-16	SIGNATURE DATE

DISPOSAL FACILITY

FACILITY	ADDRESS:	PHONE:
RNI	Wreker CO	
PERMIT NO.	20. COMMENTS	

21. **DISPOSAL FACILITY'S CERTIFICATION:** I Hereby certify that the above described wastes were delivered to this facility, that the facility is authorized and permitted to receive such wastes.

AUTHORIZED SIGNATURE	CELL NO.	DATE	TIME
		7-29-16	